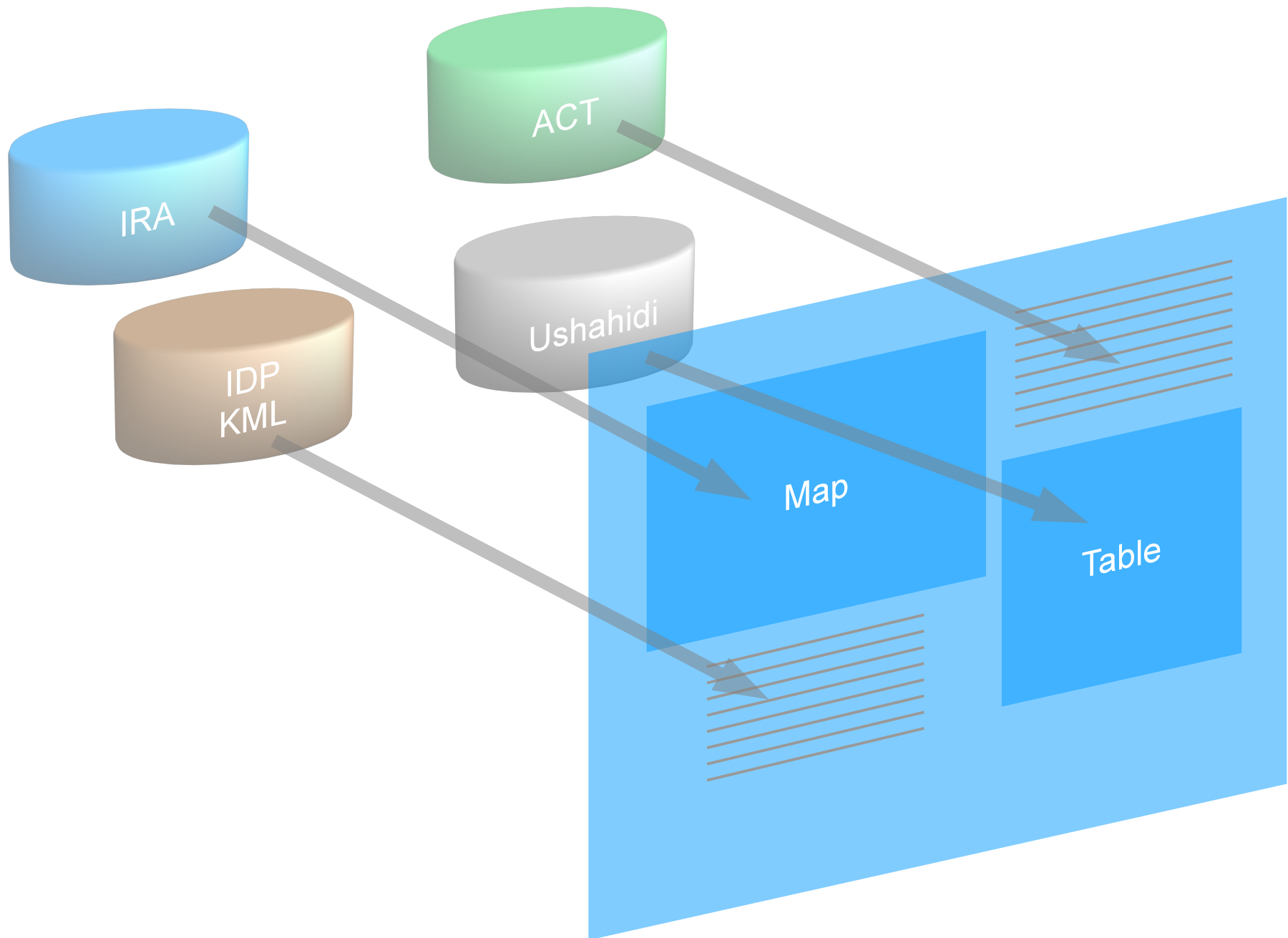


AQUEDUCT

Collaborative Projection, Annotation, and Analysis
of Linked Data using a Semantic Wiki



Datasets & Views



Mission



Brigadier General Holcomb's Standing Orders:

For each IDP location in Haiti

For each type of resource (food, WASH, shelter, medical)

For each time step from today into the future

(1) Compare supply provided by GoH, NGOs, UN, USAID, USMIL, etc.
to the demands of the people of Haiti

(2) Assess whether the supply enabled by the USMIL is still needed
or not – i.e., if USMIL support were cut to zero, would supply > demand or not

End

End

End

Situational awareness

HAITI EARTHQUAKE

Onset date: 12 January 2010
This update: 25 February 2010
Last update: 8 February 2010

HAZARD DESCRIPTION

Powerful earthquake of 7.0 magnitude on the Richter Scale. Epicenter 17km south west of Port-au-Prince, the capital of Haiti.

PROJECTED HAZARD TREND

Major aftershocks took place, although the worst appears to be over.

KEY REFERENCE DATA (Government of Haiti)

Deaths (directly from earthquake): 222,617 ★
Seriously injured: 300,572 ★
Houses damaged/destroyed: 155,000 ★
Mortality rate: UMR^{II} n/a
Malnutrition: GAM^{III} n/a

Current Situation (25 Feb 2010)

222,617 ★
300,572 ★
155,000 ★
n/a
n/a

Baseline Data (2007)

-
-
0.25/10,000 day
4.0% (Nutrition cluster)

COUNTRY CONTEXT

Population: 10m
GDP per capita (PPP) (2007): US\$1,155
Human Development Index (HDI): 0.49
UN Security Phase (affected area): 2
Cluster approach functioning: Yes
MINUSTAH troops + police: 6,500

NEED FOR INTERNATIONAL RESPONSE^I



Issues and Areas of Concern:

Key vulnerable groups: the elderly and children.



Legions hardest hit. Not all those in need face risk of increased mortality.



National response capacity badly affected by earthquake.

CONSTRAINTS ON INTERNATIONAL RESPONSE



Port being fixed. Some security concerns. Blocked roads. Congestion near border.



Nutrition and agriculture heavily underfunded.



Logistics including lack of warehouses. Coordination incl. lack of joint strategy.

ADEQUACY OF RESPONSE



Coverage in key sectors such as sanitation and shelter still low.



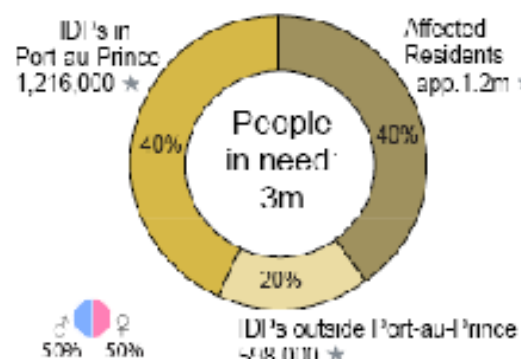
[To be determined]



No info on mortality or malnutrition yet, increase in child diarrhea.

PEOPLE IN NEED OF HUMANITARIAN RESPONSE

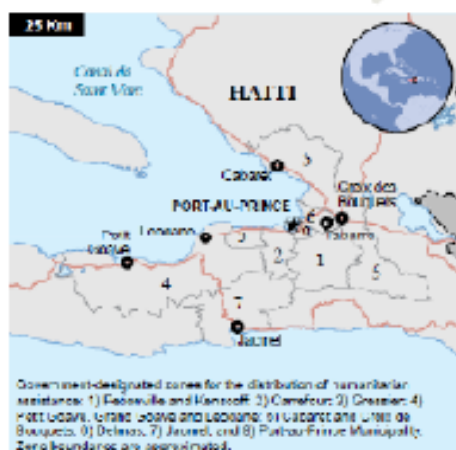
- BY STATUS (Government figures)



KEY ISSUES OF CONCERN

- Shelter & sanitation before April rainy season, including identifying land for transitional shelter
- Rubble removal and restoring livelihoods
- Infant feeding
- Unaccompanied and separated children
- Sexual violence in temporary settlements
- Mental and psycho-social support to victims
- Disability

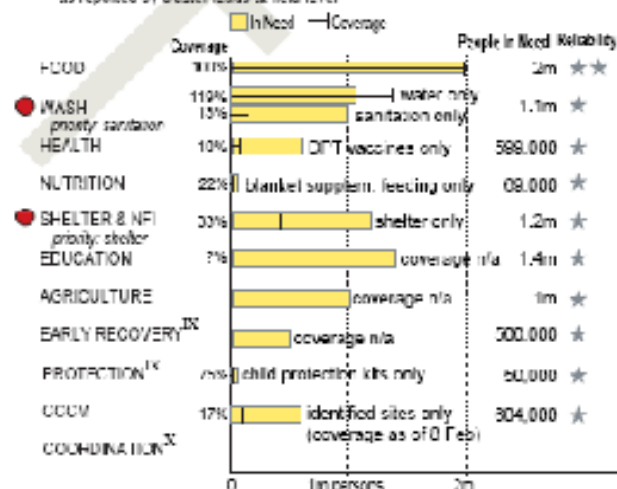
- BY REGION



KEY

- Reliable ★★★ Fairly reliable ★★ Not so reliable ★
- Key Concern: DIAS. The higher the rating, the worse the situation.
- Scale/urgency of response required as determined by aid data.
- Indicators for worst-off populations (CNP, Crisis Multiplier Rate, GAM, Global Acute Malnutrition).
- Number of people in need of assistance.
- Percentage in need requiring life-saving assistance.
- Expected death toll/mortality response (proportional to needs).
- Average sectoral coverage (percentage of population).
- Quality of response (aspects not captured by coverage and outcomes data).
- Mortality/malnutrition in worst-affected areas relative to pre-crisis levels.
- Crisis-affected sectors (also part of other sectors).
- Business sector/sector such as tourism, telecommunications.

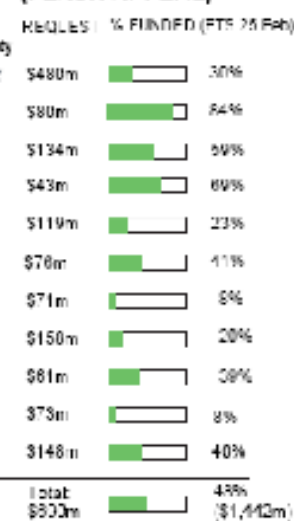
- BY SECTOR (current # of people in need/covered) as reported by cluster leads at field level



NOTES

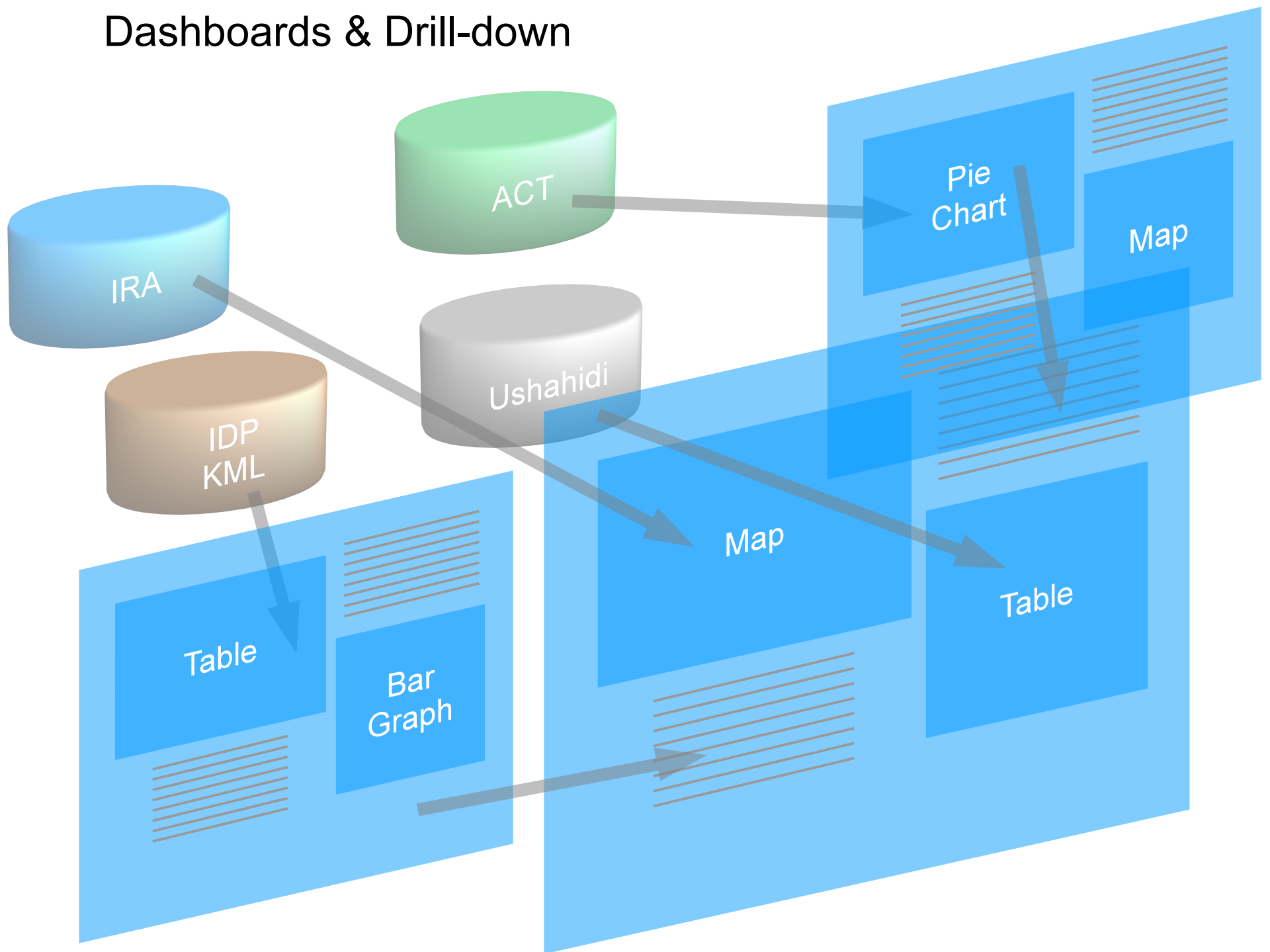
Large outflow of people from Port-au-Prince to already vulnerable rural areas (more than 587,801 had left as of 15 February according to the Government).

SECTORAL FUNDING (FLASH APPEAL)



Pledged: \$28m
Appeal issued: 18 Feb 2010
Appeal expires: 31 Dec 2010
CERF contribution: \$35m

Dashboards & Drill-down



Analysis / Discovery: Rainstorm Flooding

[Log in / create account](#)



navigation

- [Main Page](#)
- [Community portal](#)
- [Current events](#)
- [Recent changes](#)
- [Random page](#)
- [Help](#)

search

toolbox

- [What links here](#)
- [Related changes](#)
- [Special pages](#)
- [Printable version](#)
- [Permanent link](#)

[haiti surveyor](#)

[discussion](#)

[edit](#)

[history](#)

Haiti Surveyor: Danielle

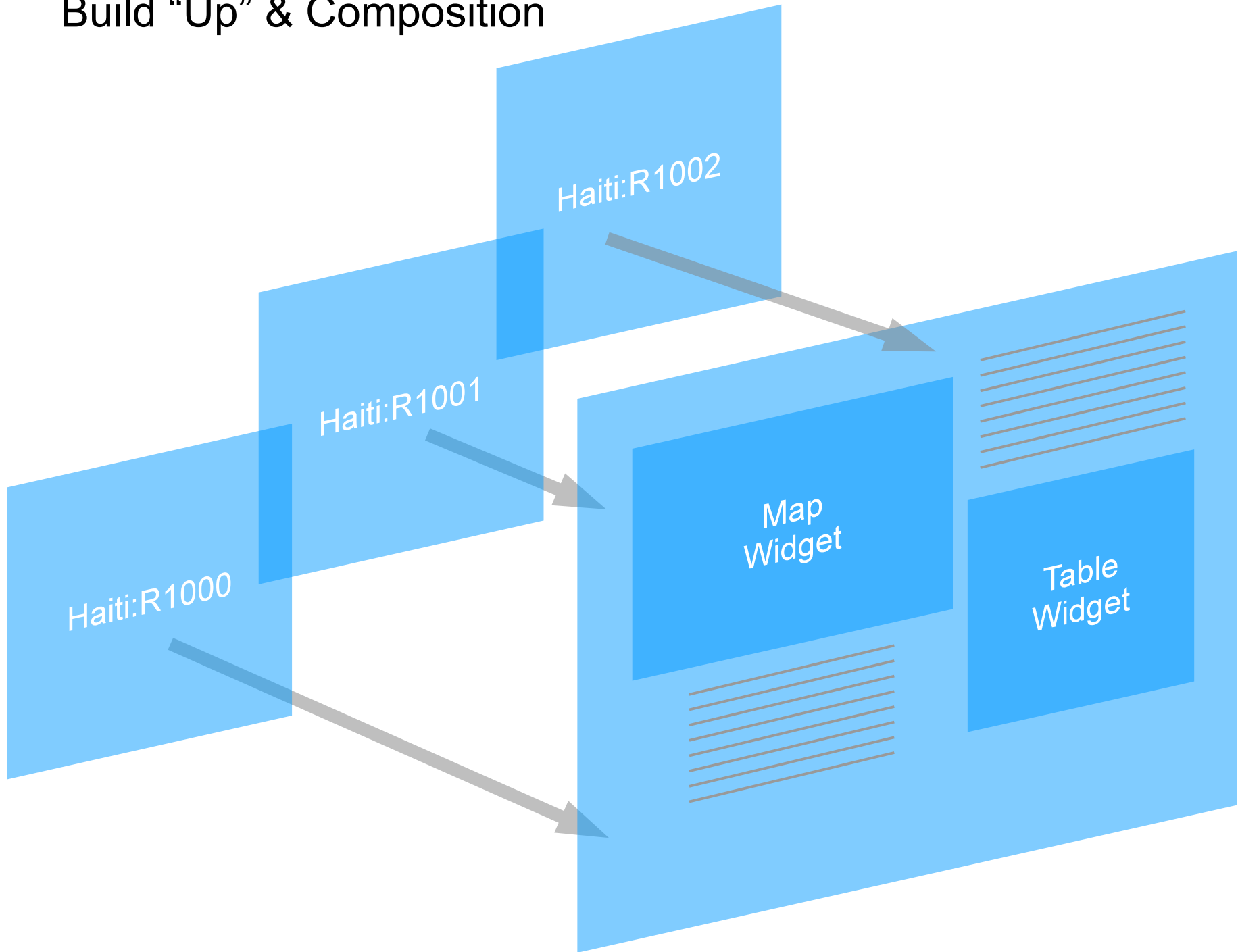


pharetra fringilla. Nulla mattis dolor nec magna vulputate et condimentum libero mattis. Duis pellentesque urna a erat laoreet sit amet faucibus urna rutrum. Cras nunc ante, laoreet sit amet gravida in, tincidunt sed nulla. In in tellus dui. Suspendisse potenti. Phasellus consectetur adipiscing dapibus. Duis lobortis dignissim odio at tincidunt. In hac habitasse platea dictumst. Morbi pretium, quam iaculis malesuada dictum, massa nunc portitor nunc, a scelerisque leo nulla id enim. Mauris at tellus accumsan diam ultrices ornare ac quis urna. Vestibulum ornare est et leo fermentum ac pulvinar est pulvinar. Nulla erat velit, pretium ac varius a, porta in nunc. Nulla facilisi. Proin eget neque non diam aliquet condimentum. Cras hendrerit erat at neque fermentum imperdiet. Phasellus condimentum fermentum augue, vel lobortis dolor tincidunt id. Vivamus pharetra pretium laoreet. Praesent in nisi nec purus fringilla vulputate. Nulla facilisi. Donec ut magna dolor, ut mattis urna. Nullam sollicitudin tincidunt orci, nec tempor lorem rutrum nec. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Etiam sed eleifend magna. Sed a urna diam, suscipit vehicula risus. Nulla facilisi. Nulla facilisi. Vivamus et dui vel arcu dapibus mollis et eget turpis. Pellentesque mattis accumsan consequat. Donec non urna ligula, nec vestibulum sapien. Nulla vehicula vestibulum vehicula. Aliquam in arcu nibh. Nunc eu massa vel tortor porta cursus. Proin tempor leo vel ante feugiat sit amet suscipit eros tristique. Etiam luctus sapien iaculis ante egestas sagittis ornare urna bibendum. Sed et mauris magna, non facilisis nisi. Fusce in ante id tellus bibendum facilisis et et tellus. Ut nec leo massa, quis pellentesque mauris. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus laoreet velit magna. Maecenas varius cursus mi in ullamcorper. Duis nec erat eu justo tincidunt porttitor. Sed laoreet orci a dui vestibulum sed facilisis risus blandit. Vestibulum et odio non nisl aliquam accumsan nec et sapien. Morbi luctus, lacus eget vulputate condimentum, dolor nulla tristique elit, eu iaculis turpis magna id magna. Etiam eu tellus dui, a viverra augue. Vivamus porttitor risus non odio lobortis tempor. Suspendisse ac elit lorem. Nam diam quam, iaculis at luctus interdum, vestibulum eget mi. Nulla facilisi. Mauris sed tellus in odio gravida ullamcorper. Phasellus convallis, nisi id vestibulum pellentesque, nulla risus auctor justo, vitae rhoncus ante nibh ut purus. Suspendisse sed quam a odio ullamcorper porttitor a at leo. Aliquam quis neque at ante luctus luctus et vitae arcu. Ut sit amet eros nec ligula tincidunt tincidunt. Suspendisse potenti. In aliquet, justo id pulvinar hendrerit, nisi felis tincidunt nulla, id venenatis justo velit non dui. Donec egestas volutpat lorem, ut hendrerit neque dictum sodales. In tempus placerat auctor. Nulla facilisi. Nullam elit lectus, malesuada a ultricies sit amet, convallis a nisl. Praesent faucibus malesuada pulvinar. Sed eros sem, vestibulum eu pulvinar sit amet, dapibus sed augue. Aliquam vel magna enim, nec pulvinar mi. Nullam sed condimentum dui. Phasellus ut diam at velit dictum tristique. Donec dignissim sodales porta. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Praesent nec sem sem. Morbi aliquam arcu elementum velit auctor porttitor. Donec convallis, augue a vulputate ullamcorper, quam libero placerat nulla, quis ultrices diam turpis sed neque. Morbi at felis tortor. Nam ut lorem vitae magna

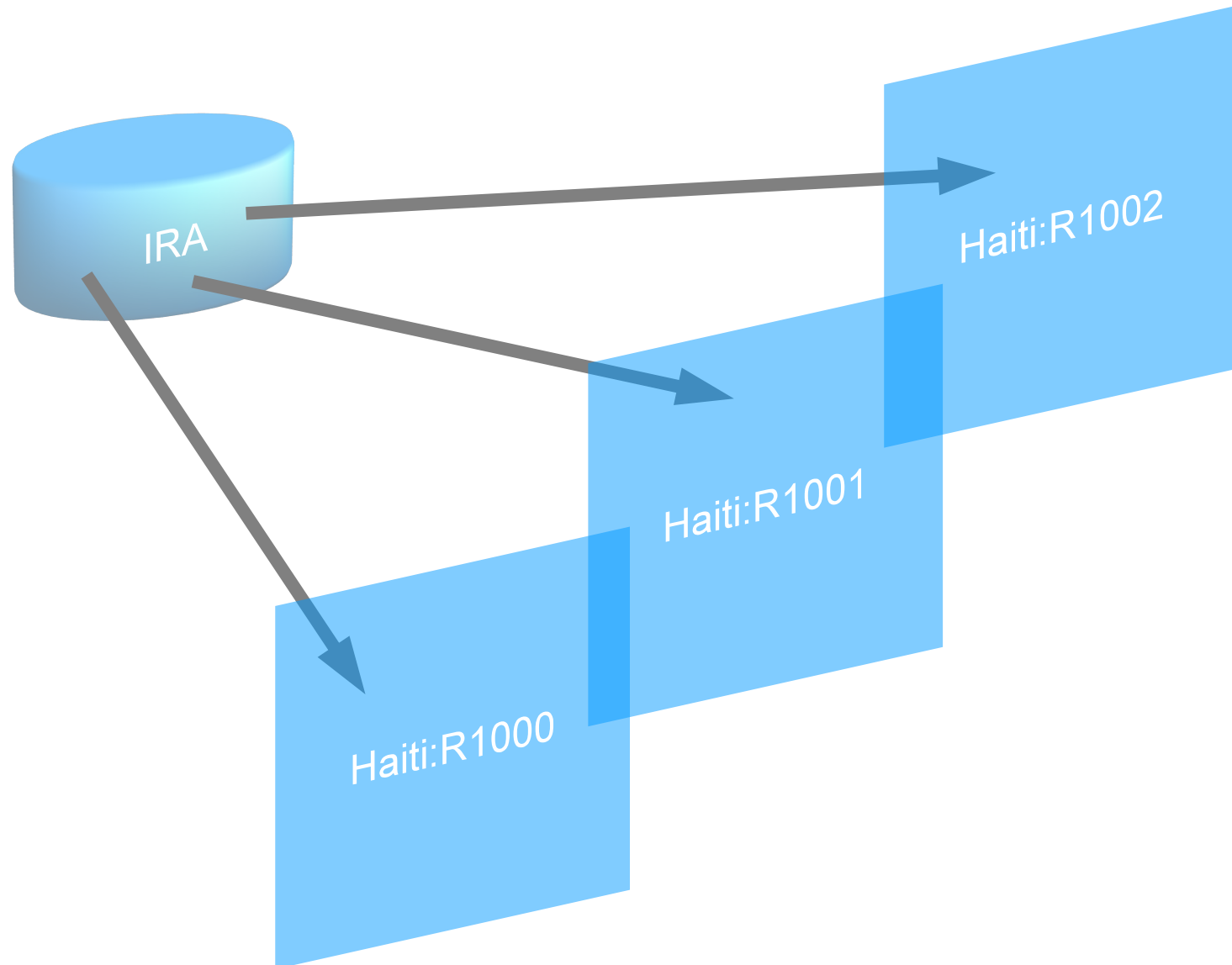
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus laoreet velit magna. Maecenas varius cursus mi in ullamcorper. Duis nec erat eu justo tincidunt porttitor. Sed laoreet orci a dui vestibulum sed facilisis risus blandit. Vestibulum et odio non nisl aliquam accumsan nec et sapien. Morbi luctus, lacus eget vulputate condimentum, dolor nulla tristique elit, eu iaculis turpis magna id magna. Etiam eu tellus dui, a viverra augue. Vivamus porttitor risus non odio lobortis tempor. Suspendisse ac elit lorem. Nam diam quam, iaculis at luctus interdum, vestibulum eget mi. Nulla facilisi. Mauris sed tellus in odio gravida ullamcorper. Phasellus convallis, nisi id vestibulum pellentesque, nulla risus auctor justo, vitae rhoncus ante nibh ut purus. Suspendisse sed quam a odio ullamcorper porttitor a at leo. Aliquam quis neque at ante luctus luctus et vitae arcu. Ut sit amet eros nec ligula tincidunt tincidunt. Suspendisse potenti. In aliquet, justo id pulvinar hendrerit, nisi felis tincidunt nulla, id venenatis justo velit non dui. Donec egestas volutpat lorem, ut hendrerit neque dictum sodales. In tempus placerat auctor. Nulla facilisi. Nullam elit lectus, malesuada a ultricies sit amet, convallis a nisl. Praesent faucibus malesuada pulvinar. Sed eros sem, vestibulum eu pulvinar sit amet, dapibus sed augue. Aliquam vel magna enim, nec pulvinar mi. Nullam sed condimentum dui. Phasellus ut diam at velit dictum tristique. Donec dignissim sodales porta. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Praesent nec sem sem. Morbi aliquam arcu elementum velit auctor porttitor. Donec convallis, augue a vulputate ullamcorper, quam libero placerat nulla, quis ultrices diam turpis sed neque. Morbi at felis tortor. Nam ut lorem vitae magna

Report	Surveyor	Community
Haiti:R1002	danielle-1002	CROIX-DES-BOUQUES
Haiti:R1000	Danielle-1000	CROIX-DES-BOUQUES
Haiti:R1001	Danielle-1001	CROIX-DES-BOUQUES
Haiti:R1003	danielle-1003	DELMAS
Haiti:R1004	danielle-1004	PETION-VILLE

Build “Up” & Composition

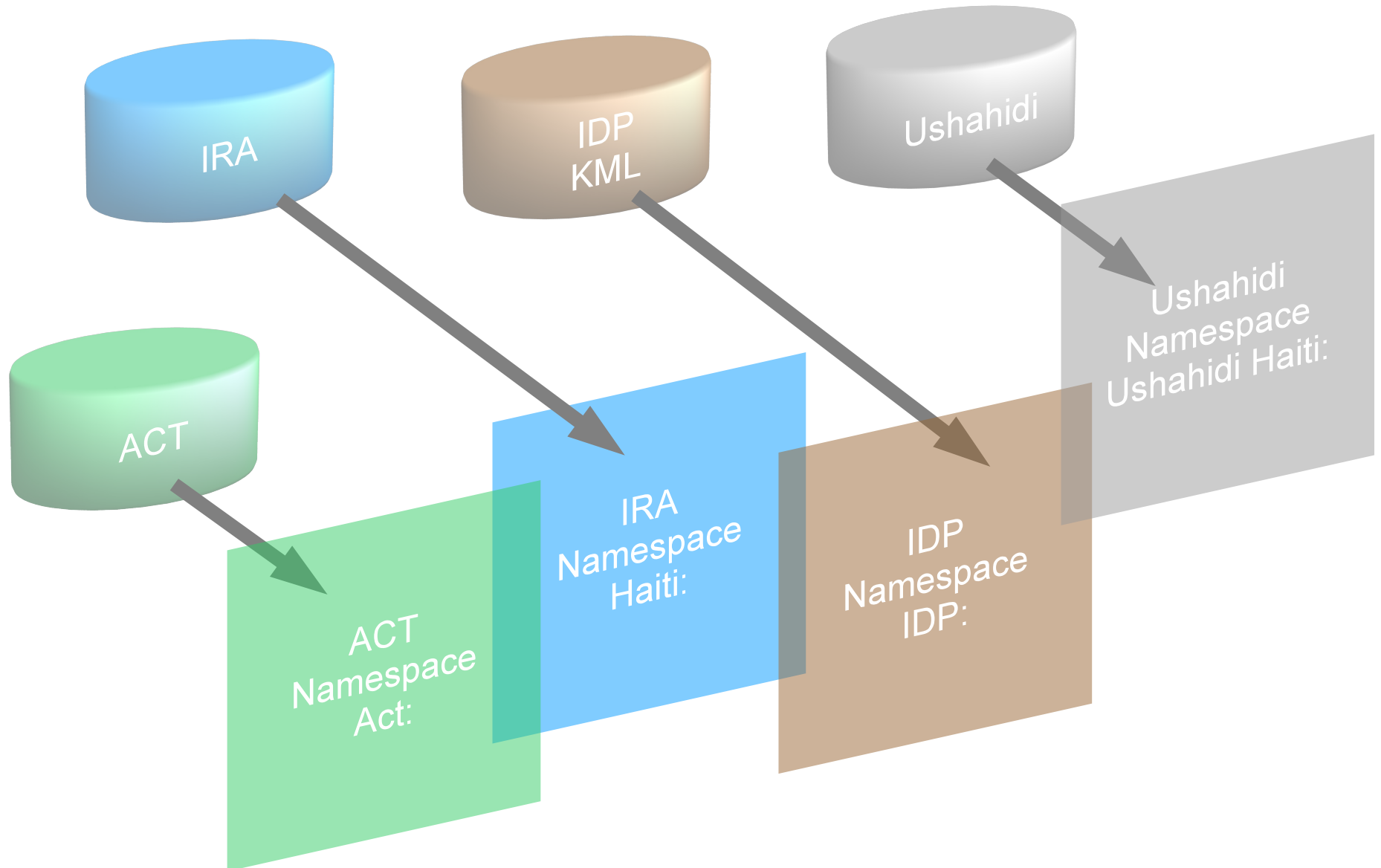


Projection: Namespace per dataset
Article for each first-class entity



Projection: Namespace per dataset

Article for each first-class entity





navigation

- [Main Page](#)
- [Community portal](#)
- [Current events](#)
- [Recent changes](#)
- [Random page](#)
- [Help](#)

search

toolbox

- [What links here](#)
- [Related changes](#)
- [Special pages](#)
- [Printable version](#)
- [Permanent link](#)

[haiti](#) [discussion](#) [edit](#) [history](#)

Haiti:R1002

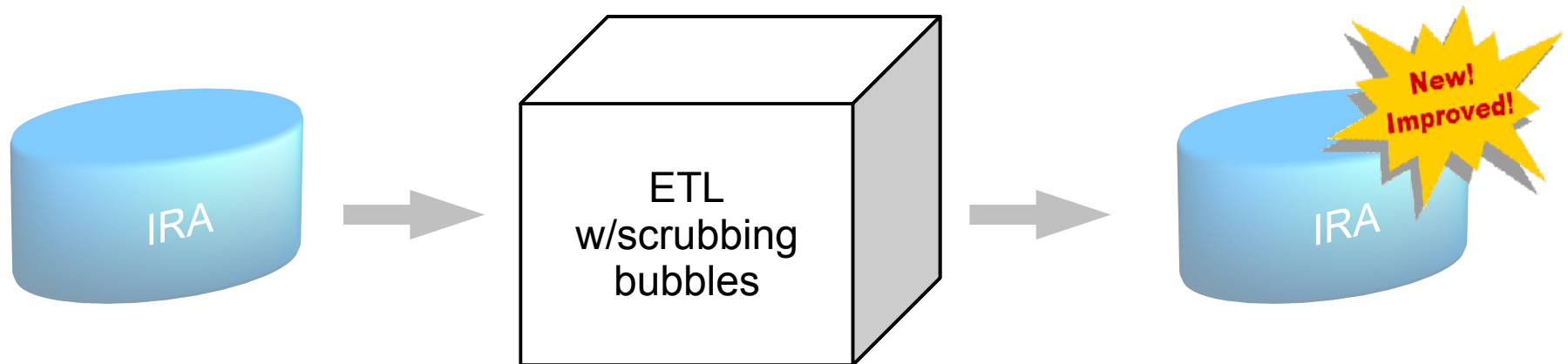
Output Type: Table

RawRDFCisternSkin

entity	field	value
Haiti:R1002	http://www.w3.org/2003/01/geo/wgs84_pos#lat	18.574219,
Haiti:R1002	http://www.w3.org/2003/01/geo/wgs84_pos#long	-72.23489,
Haiti:R1002	uri:ira_s0v10:_0_rowid_	1
Haiti:R1002	uri:ira_s0v10:_1_Date_s_de_l_valuation_	1/25/2010
Haiti:R1002	uri:ira_s0v10:_2_Coordonn_es_GPS_en_degr__Map_Label_	
Haiti:R1002	uri:ira_s0v10:_3_Nom_du_D_partement_	OUEST
Haiti:R1002	uri:ira_s0v10:_4_Nom_de_la_commune_	CROIX-DES-BOUQUES
Haiti:R1002	uri:ira_s0v10:_5_Nom_de_la_section_	1ere PETIT BOIS
Haiti:R1002	uri:ira_s0v10:_6_Nom_du_site_	Bas Remy
Haiti:R1002	uri:ira_s0v10:_7_P_code_	
Haiti:R1002	uri:ira_s0v10:_8_Type_de_zone_valu_e_	Zone affectée
Haiti:R1002	uri:ira_s0v10:_9_Vous_avez_fins_cette_section_SVP_alle_	
Haiti:R1002	uri:ira_s0v10:_Surveyor_	danielle-1002
Haiti:R1002	uri:ira_s0v10:_SurveyDate_	2/1/2010 1:41:12 AM
Haiti:R1002	uri:ira_s0v10:UniqueID	1002
Haiti:R1002	uri:ira_s0v10:Pop2009	34839
Haiti:R1002	uri:ira_s0v10:Sec_Code	131-03
Haiti:R1002	uri:ira_s0v10:Quadrat	0
Haiti:R1002	uri:ira_s0v10:QuadratPop	0
Haiti:R1002	uri:ira_s1v10:_0_rowid_	36
Haiti:R1002	uri:ira_s1v10:_1_DESCRIPTION_DE_LA_POPULATION_	
Haiti:R1002	uri:ira_s1v10:_2_1_2_Enregistrement_IC_O_	
Haiti:R1002	uri:ira_s1v10:_3_1_2_1_Les_personnes_affect_es_par_la_c_	Oui
Haiti:R1002	uri:ira_s1v10:_4_1_3_Taille_de_la_population_affect_e_p_	
Haiti:R1002	uri:ira_s1v10:_5_1_3_1_Population_totale_estim_e_	25000
Haiti:R1002	uri:ira_s1v10:_6_1_3_2_Source_de_ces_donn_es_de_populat_	Estimation par autorités locales
Haiti:R1002	uri:ira_s1v10:_7_Sp_cifier_	
Haiti:R1002	uri:ira_s1v10:_8_1_4_Mouvements_vers_et_partir_de_ce_	
Haiti:R1002	uri:ira_s1v10:_9_1_4_1_La_population_de_ce_site_est_ell_	En diminution
Haiti:R1002	uri:ira_s1v10:_10_1_4_2_Si_elle_augmente_de_combien_p_	
Haiti:R1002	uri:ira_s1v10:_11_1_5_Population_d_plac_e_ne_compl_ter_	
Haiti:R1002	uri:ira_s1v10:_12_1_5_1_Nom_de_la_section_du_lieu_de_pr_	

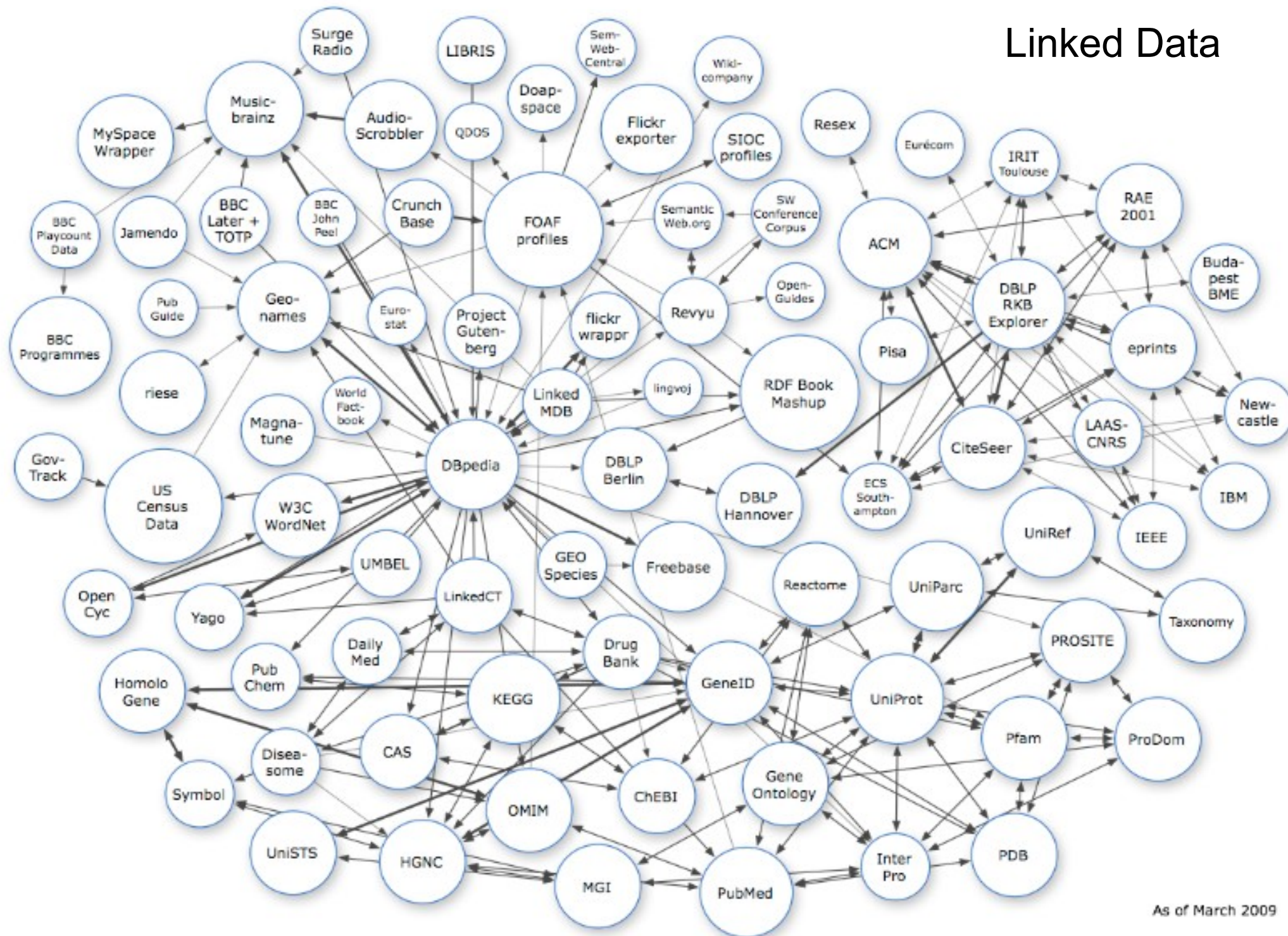
Haiti:R1002 📄	uri:ira_s0v10:_3_Nom_du_D_partement_	OUESI
Haiti:R1002 📄	uri:ira_s0v10:_4_Nom_de_la_commune_	CROIX-DES-BOUQUES
Haiti:R1002 📄	uri:ira_s0v10:_5_Nom_de_la_section_	1ere PETIT BOIS
Haiti:R1002 📄	uri:ira_s0v10:_6_Nom_du_site_	Bas Remy
Haiti:R1002 📄	uri:ira_s0v10:_7_P_code_	
Haiti:R1002 📄	uri:ira_s0v10:_8_Type_de_zone_valu_e_	Zone affectée
Haiti:R1002 📄	uri:ira_s0v10:_9_Vous_avez_fins_cette_section_SVP_aller_	
Haiti:R1002 📄	uri:ira_s0v10:_Surveyor_	danielle-1002

Traditional Integration via Curated Ingestion



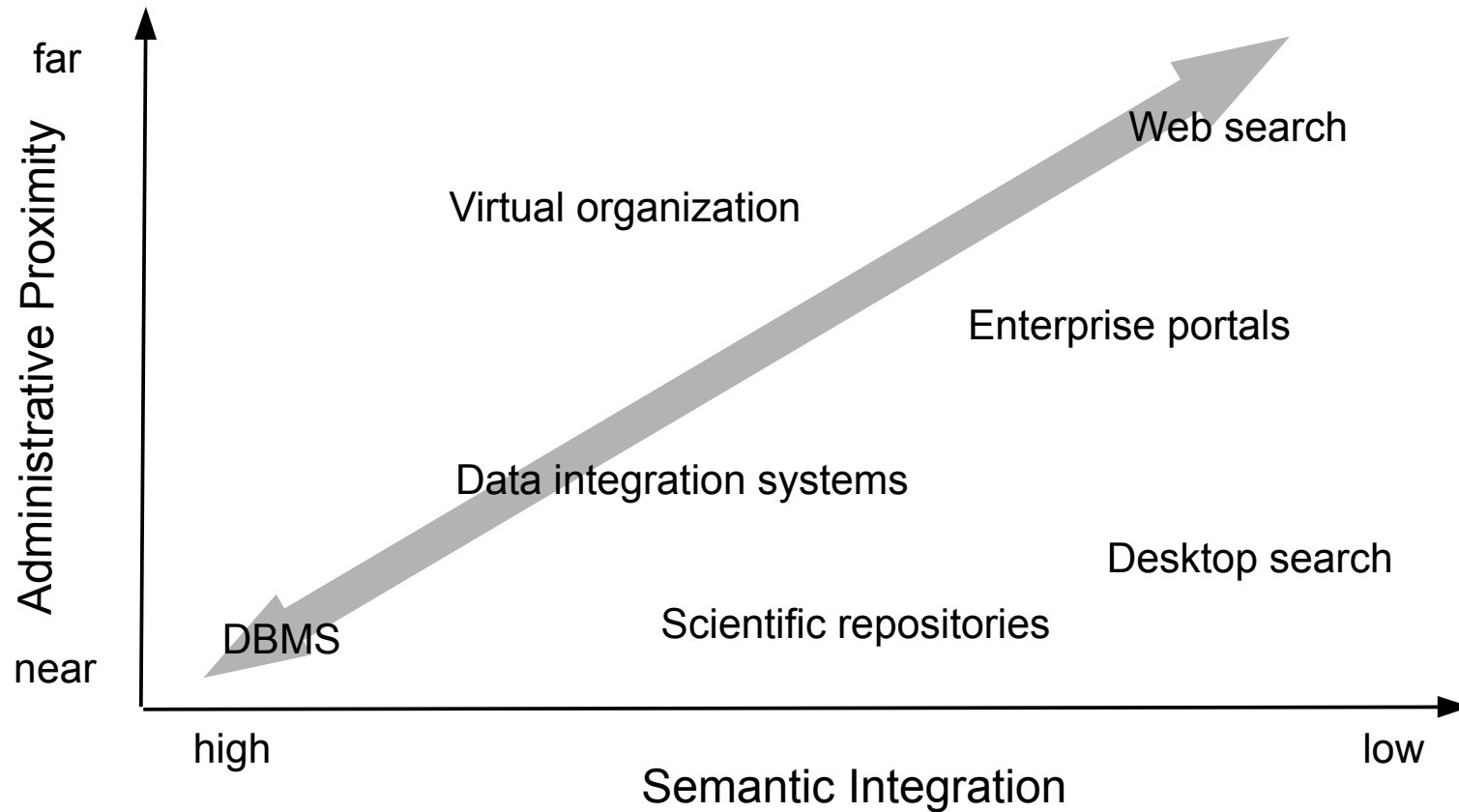
Why does it have to be this way?

Linked Data



As of March 2009

Dataspaces: Co-existence NOT integration



Cost of complete, sound semantic integration is infeasible

Franklin, M., Halevy, A., Maier, D., From Databases to Dataspaces: A New Abstraction For Information Management, ACM SIGMOD Record December 2005



navigation

- [Main Page](#)
- [Community portal](#)
- [Current events](#)
- [Recent changes](#)
- [Random page](#)
- [Help](#)

search

toolbox

- [What links here](#)
- [Related changes](#)
- [Special pages](#)

[haiti](#)[discussion](#)[edit](#)[history](#)[delete](#)[move](#)[protect](#)[watch](#)

Editing Haiti:R1002

Available Aqueduct Widget Tags:

Click the tag name to insert it into the page text at the cursor.

[aqProfile](#)[aqRawWidget](#)[aqTableViewWidget](#)[aqNetworkViewWidget](#)[aqNetworkViewWidget2D](#)[aqLayoutWidget](#)

Advanced Widget Tags:











These tags require a parameter to be input as described for each tag below.

[aqIncludeWidgets](#)[aqAddData](#)[aqAddQuery](#)[aqAddHeader](#)[aqAddScript](#)[aqLayout](#)

<aqRawWidget/>

```
{{#triple:uri:ira_s0v10:_4_Nom_de_la_commune_|http://dbpedia.org/resource/Croix-des-Bouquets|uri}}
```

```
{{#triple:uri:ira_s0v10:_Surveyor_|uri:ira:danielle|uri}}
```

Haiti:R1002 	uri:ira_s0v10:_3_Nom_du_D_partement_	OUEST
Haiti:R1002 	uri:ira_s0v10:_4_Nom_de_la_commune_	Dbpedia:Croix-des-Bouquets 
Haiti:R1002 	uri:ira_s0v10:_5_Nom_de_la_section_	1ere PETIT BOIS
Haiti:R1002 	uri:ira_s0v10:_6_Nom_du_site_	Bas Remy
Haiti:R1002 	uri:ira_s0v10:_7_P_code_	
Haiti:R1002 	uri:ira_s0v10:_8_Type_de_zone_valu_e_	Zone affectée
Haiti:R1002 	uri:ira_s0v10:_9_Vous_avez_fins_cette_section_SVP_aller_	
Haiti:R1002 	uri:ira_s0v10:_Surveyor_	Haiti:Danielle 



navigation

- [Main Page](#)
- [Community portal](#)
- [Current events](#)
- [Recent changes](#)
- [Random page](#)
- [Help](#)

search

toolbox

- [What links here](#)
- [Related changes](#)
- [Special pages](#)
- [Printable version](#)
- [Permanent link](#)

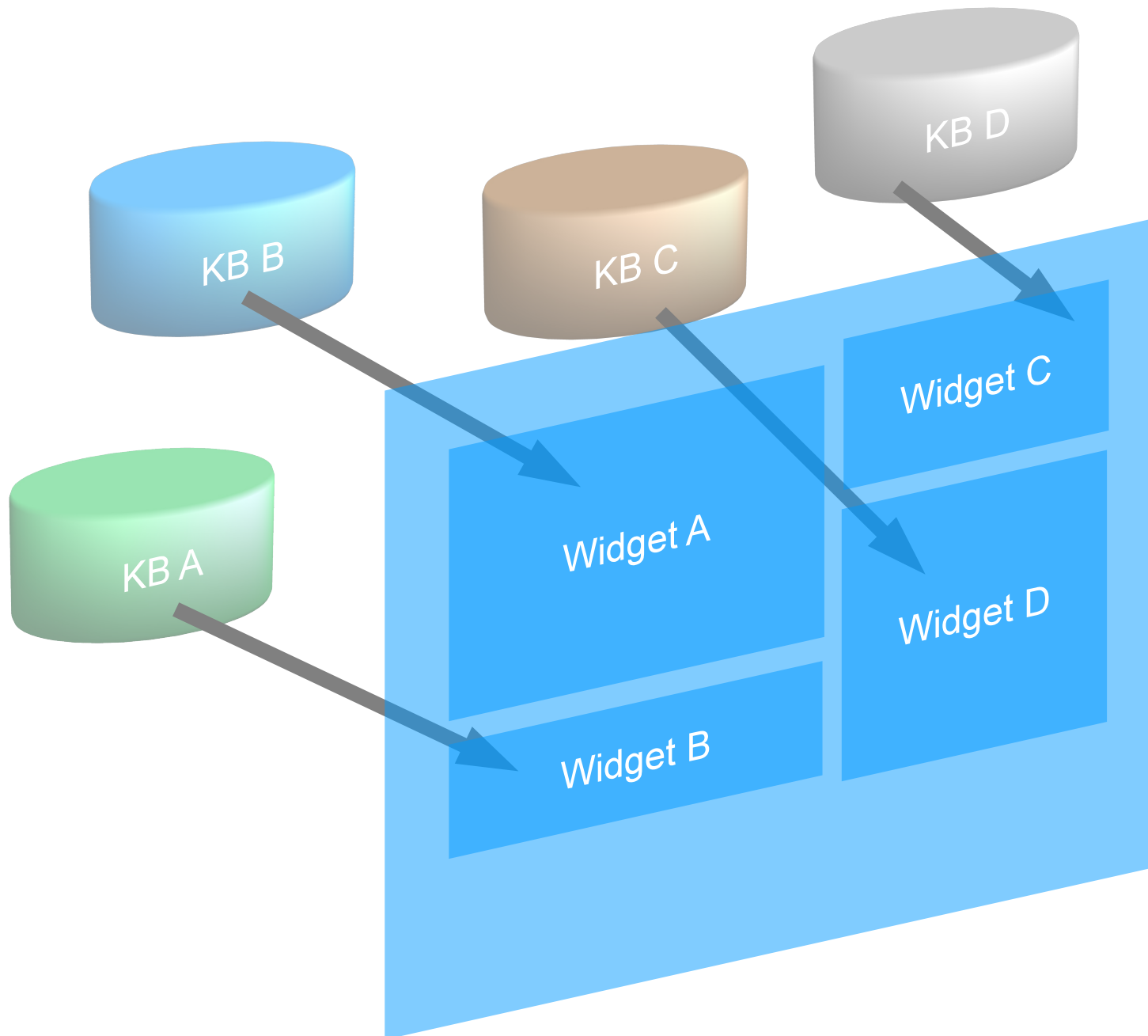
Dbpedia:Croix-des-Bouquets

Output Type: Table ▼

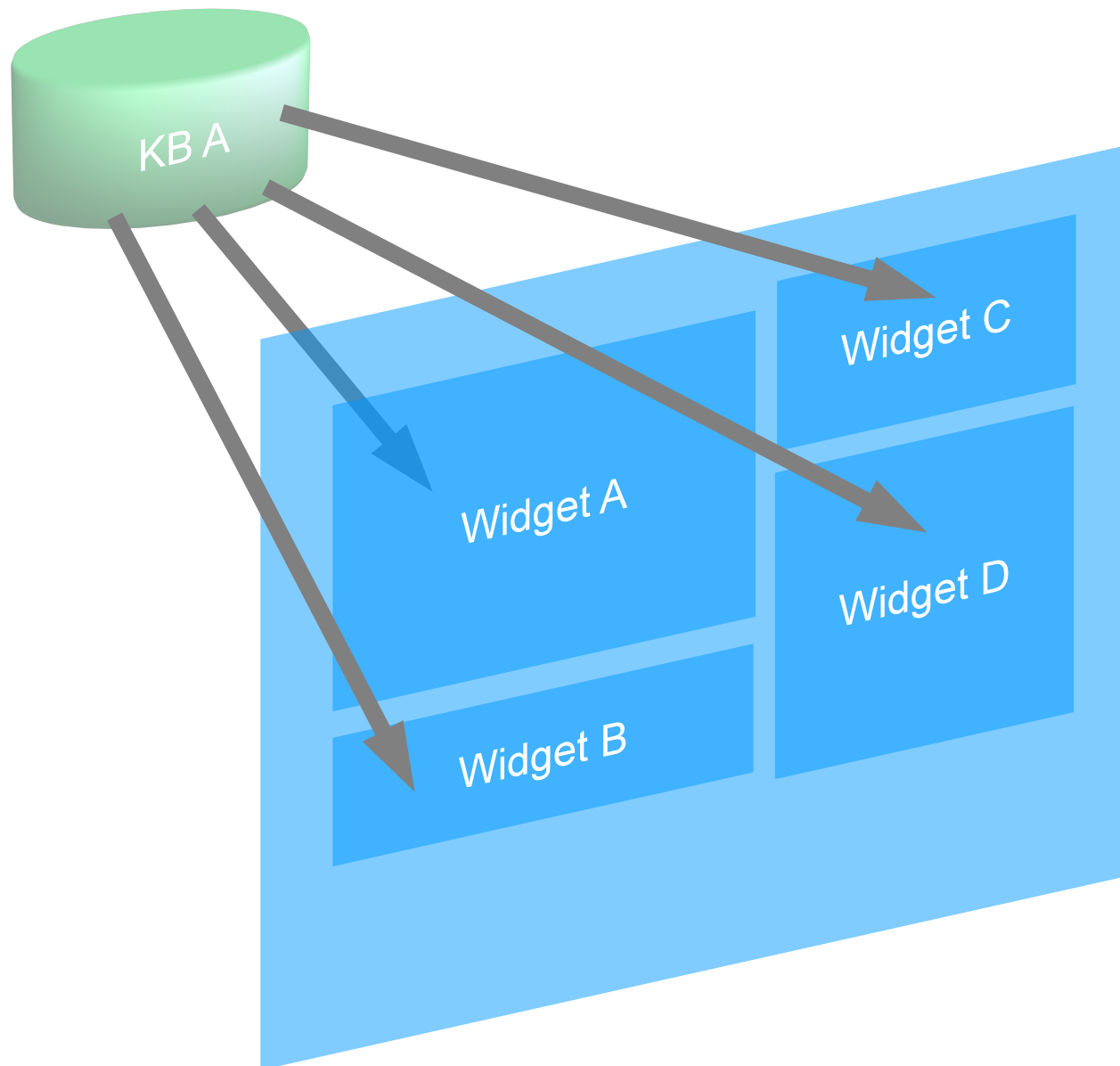
RawRDFCisternSkin

entity	field	value
Dbpedia:Croix-des-Bouquets	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	Unknown:\Http://dbpedia.org/ontology/PopulatedPlace,http://dbpedia.org/class/yago/CitiesAndTownsInHaiti,http://www.w3.org/2002/07/owl/Thing,http://dbpedia.org/ontology/Place,http://www.opengis.net/gml/Feature
Dbpedia:Croix-des-Bouquets	http://www.w3.org/2002/07/owl#sameAs	Unknown:\Http://rdf.freebase.com/ns/guid.9202a8c04000641f800000000464332f,http://umbel.org/umbel/ne/wikipedia/Croix-des-Bouquets
Dbpedia:Croix-des-Bouquets	http://www.w3.org/2003/01/geo/wgs84_pos#geometry	POINT(-72.2269 18.5761)
Dbpedia:Croix-des-Bouquets	http://dbpedia.org/ontology/thumbnail	Unknown:\Http://upload.wikimedia.org/wikipedia/commons/thumb/b/bd/Port_au_Prince%-28nasa).jpg/200px-Port_au_Prince%-28nasa).jpg
Dbpedia:Croix-des-Bouquets	http://dbpedia.org/ontology/populationDensity	355
Dbpedia:Croix-des-Bouquets	http://dbpedia.org/ontology/populationAsOf	2003-08-07
Dbpedia:Croix-des-Bouquets	http://dbpedia.org/ontology/areaTotal	645500000
Dbpedia:Croix-des-Bouquets	http://dbpedia.org/ontology/elevation	67
Dbpedia:Croix-des-Bouquets	http://www.w3.org/2000/01/rdf-schema#label	Croix-des-Bouquets,Croix-des-Bouquets,クロワ・デ・ブーケ,Croix-des-Bouquets (gemeente)
Dbpedia:Croix-des-Bouquets	http://dbpedia.org/ontology/abstract	<p>Croix-des-Bouquets er en by på Haiti 12,9 km nord for Port-au-Prince, hvor bla. Wyclef Jean kommer fra.,La zona Croix-des-bouquets a unos 20 kilómetros de Puerto Príncipe será, debido al fuerte terremoto que devastó a la capital en enero y que destruyó buena parte del Palacio gubernamental, la nueva sede de Gobierno de Haití.,Croix-des-Bouquets est une commune haïtienne du département de l'Ouest. Elle est située à 12 km au nord-est de Port-au-Prince. Elle est aussi le chef-lieu de l'arrondissement du même nom.,Croix-des-Bouquets is a city in the Ouest Department of Haiti. It is located 12.9 kilometers (8 miles) to the northeast of Haiti's capital city, Port-au-Prince. Originally located on the shore, it was relocated inland after the 1770 Port-au-Prince earthquake. Due to this fact, it was not as badly affected in the 2010 Haiti earthquake. The city will be home to refugee tent villages of about 10,000 refugees each when the first wave of refugees begins to be resettled there.,クロワ＝デ＝ブーケ (ハイチ語: Kwadébouke, 仏: Croix-des-Bouquets) は、ハイチ共和国西県のコミーン。中心市街は首都ポルトープランスの北東およそ12.9kmに位置する。クロワ・デ・ブーケは、ポルトープランス首都圏の北東のクルドサックと呼ばれる低地にあり、マメ、トウモロコシ、サツマイモなどが栽培される。北西から南東へと細長く、北は中央県ソドー、東にトマゾー、ガンチエ、フォンヴェレット、南に南東県ペランス、西にカバレ、シテ・ソレイユ、タバー、ベチョンヴィル、ケンスコフと接する。ハイチは、歴史と宗教（キリスト教、ブドゥー教）を背景に独自の文化を織り成すことで世界的に有名である。クロワ・デ・ブーケは原金銅加工の木箱と製の音の響く街である。.,Croix-des-Bouquets is een gemeente in Haiti met 229.127 inwoners. De plaats ligt 13 km ten oosten van de hoofdstad Port-au-Prince, in feite is het een buitenwijk van deze stad. Het is de hoofdplaats van het arrondissement Croix-des-Bouquets in het departement Ouest. Er wordt koffie, limoen, sisal, katoen en suikerriet verbouwd. Verder is er een destilleerderij van plantaardige olie. Op vrijdag wordt er een van de grootste veemarkten van Haiti gehouden. Croix-de-Bouquet wordt gezien als een kunstzinnige buitenwijk van Port-au-Prince, waar elementen uit de Europese en uit de vodou-cultuur bij elkaar komen. Bekend zijn de metalen sculpturen geproduceerd, die worden gemaakt van olievaten. Deze stellen vodou-entiteiten voor. Ten noordoosten van Croix-des-Bouquets ligt het meer Trou Caiman.,Croix-des-Bouquets er en by i departementet Ouest i Haiti, 12,9 km nordøst for Port-au-Prince. Den hadde i 2003 en befolkning på 229.127 innbyggere. Fra denne byen stammer musikeren Wyclef Jean. Under Port-au-Prince-jordskjelvet i 1770 forsvant byen under den tsunamien og det leiraset som ble utløst; den havnet da under havoverflaten.</p>
Dbpedia:Croix-des-Bouquets	http://dbpedia.org/ontology/populationTotal	229127
Dbpedia:Croix-des-Bouquets	http://www.w3.org/2000/01/rdf-schema#comment	<p>Croix-des-Bouquets er en by på Haiti 12,9 km nord for Port-au-Prince, hvor bla. Wyclef Jean kommer fra.,La zona Croix-des-bouquets a unos 20 kilómetros de Puerto Príncipe será, debido al fuerte terremoto que devastó a la capital en enero y que destruyó buena parte del Palacio gubernamental, la nueva sede de Gobierno de Haití.,Croix-des-Bouquets est une commune haïtienne du département de l'Ouest. Elle est située à 12 km au nord-est de Port-au-Prince. Elle est aussi le chef-lieu de l'arrondissement du même nom.,Croix-des-Bouquets is a city in the Ouest Department of Haiti. It is located 12.9 kilometers (8 miles) to the northeast of Haiti's capital city, Port-au-Prince. Originally located on the shore, it was relocated inland after the 1770 Port-au-Prince earthquake. Due to this fact, it was not as badly affected in the 2010 Haiti earthquake. The city will be home to refugee tent villages of about 10,000 refugees each when the first wave of refugees begins to be resettled there.,Croix-des-Bouquets er en by i departementet Ouest i Haiti, 12,9 km nordøst for Port-au-Prince. Den hadde i 2003 en befolkning på 229.127 innbyggere. Fra denne byen stammer musikeren Wyclef Jean. Under Port-au-Prince-jordskjelvet i 1770 forsvant byen under den tsunamien og det leiraset som ble utløst; den havnet da under havoverflaten.,Croix-des-Bouquets is een gemeente in Haiti met 229.127 inwoners. De plaats ligt 13 km ten oosten van de hoofdstad Port-au-Prince, in feite is het een buitenwijk van deze stad. Het is de hoofdplaats van het arrondissement Croix-des-Bouquets in het departement Ouest. Er wordt koffie, limoen, sisal, katoen en suikerriet verbouwd. Verder is er een destilleerderij van plantaardige olie. Op vrijdag wordt er een van de grootste veemarkten van Haiti gehouden.</p>

Gadget / Widget / Apps: Compilation (aka dashboards)

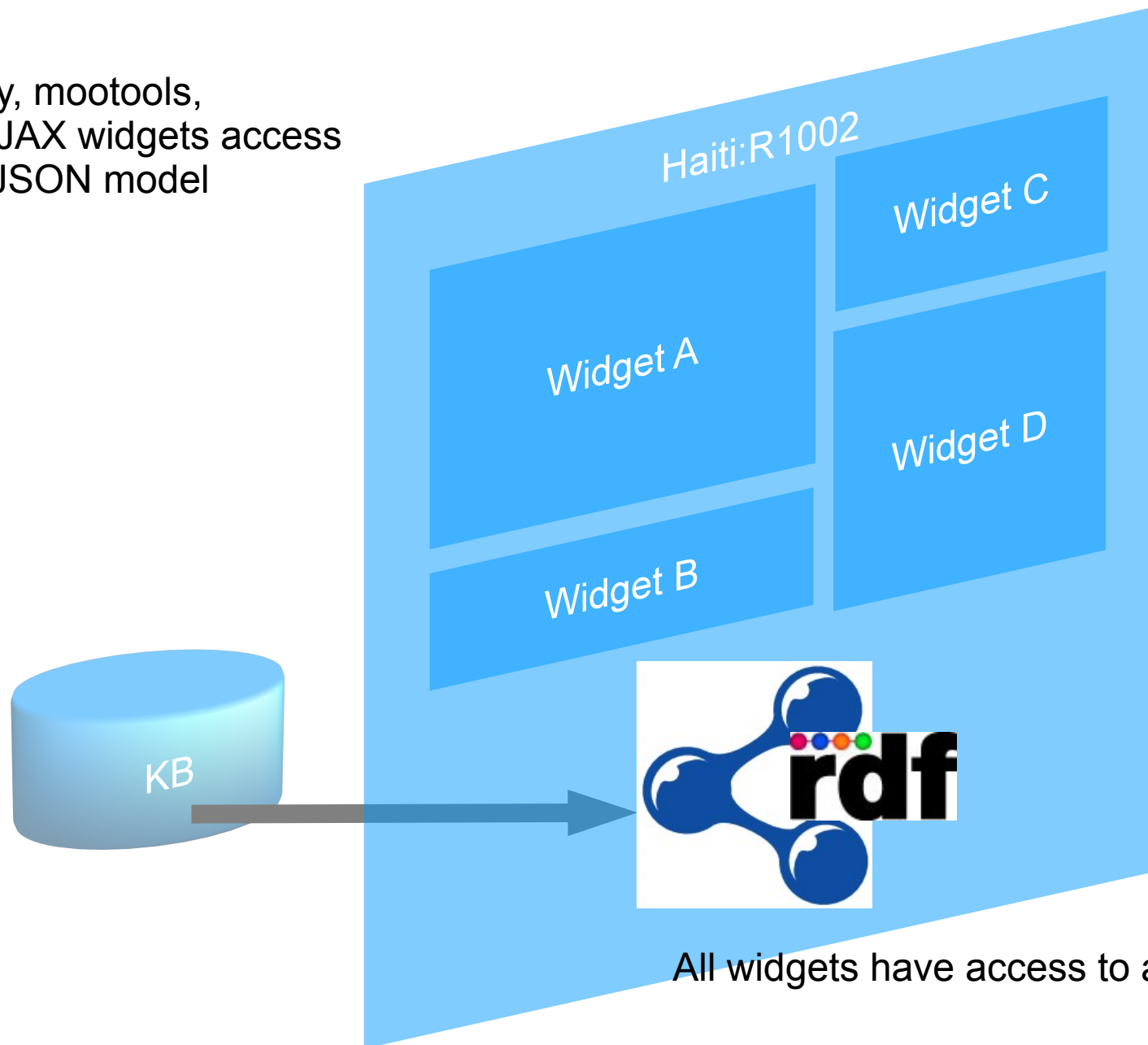


Gadget / Widget / Apps: Compilation Performance

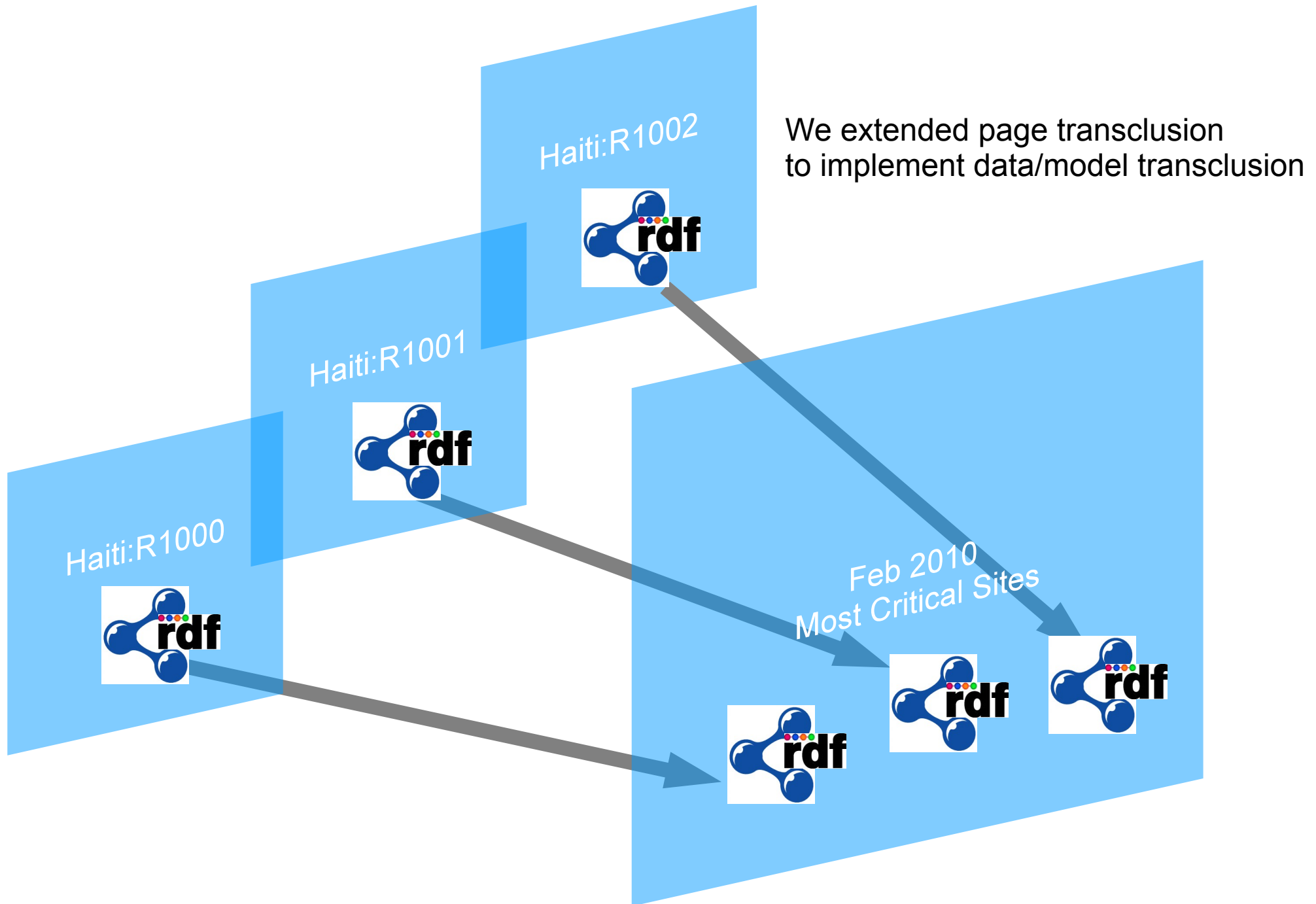


Gadget / Widget / Apps: Composition

Jquery, mootools,
any AJAX widgets access
RDF/JSON model



Gadget / Widget / Apps: Composition



Situational awareness

HAITI EARTHQUAKE

Onset date: 12 January 2010
This update: 25 February 2010
Last update: 8 February 2010

HAZARD DESCRIPTION

Powerful earthquake of 7.0 magnitude on the Richter Scale. Epicenter 17km south west of Port-au-Prince, the capital of Haiti.

PROJECTED HAZARD TREND

Major aftershocks took place, although the worst appears to be over.

KEY REFERENCE DATA (Government of Haiti)

Deaths (directly from earthquake): 222,617 ★
Seriously injured: 300,572 ★
Houses damaged/destroyed: 155,000 ★
Mortality rate: UMR^{II}: n/a
Malnutrition: GAM^{III}: n/a

Current Situation (25 Feb 2010)

222,617 ★
300,572 ★
155,000 ★
n/a
n/a

Baseline Data (2007)

-
-
0.25/10,000 day
4.0% (Nutrition cluster)

COUNTRY CONTEXT

Population: 10m
GDP per capita (PPP) (2007): US\$1,155
Human Development Index (HDI): 0.49
UN Security Phase (affected area): 2
Cluster approach functioning: Yes
MINUSTAH troops + police: 6,500

NEED FOR INTERNATIONAL RESPONSE^I



Issues and Areas of Concern:

Key vulnerable groups: the elderly and children.



Leagues hardest hit. Not all those in need face risk of increased mortality.



National response capacity badly affected by earthquake.

CONSTRAINTS ON INTERNATIONAL RESPONSE



Port being fixed. Some security concerns. Blocked roads. Congestion near border.



Nutrition and agriculture heavily underfunded.



Logistics including lack of warehouses. Coordination incl. lack of joint strategy.

ADEQUACY OF RESPONSE



Coverage in key sectors such as sanitation and shelter still low.



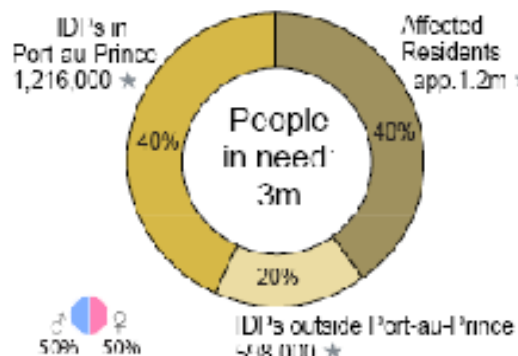
[To be determined]



No info on mortality or malnutrition yet. Increase in child diarrhea.

PEOPLE IN NEED OF HUMANITARIAN RESPONSE

- BY STATUS (Government figures)



KEY ISSUES OF CONCERN

- Shelter & sanitation before April rainy season, including identifying land for transitional shelter
- Rubble removal and restoring livelihoods
- Infant feeding
- Unaccompanied and separated children
- Sexual violence in temporary settlements
- Mental and psycho-social support to victims
- Disability

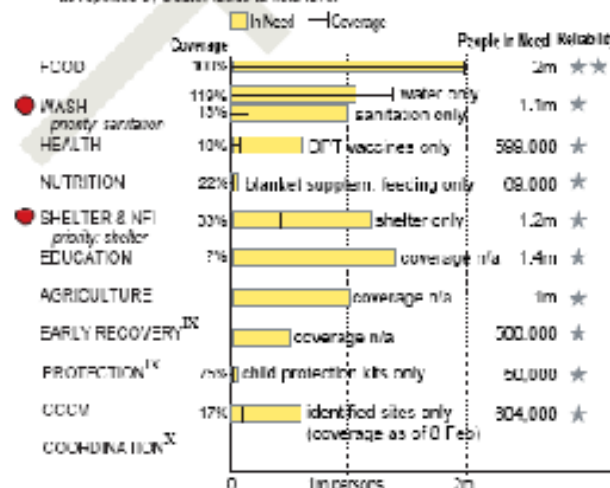
- BY REGION



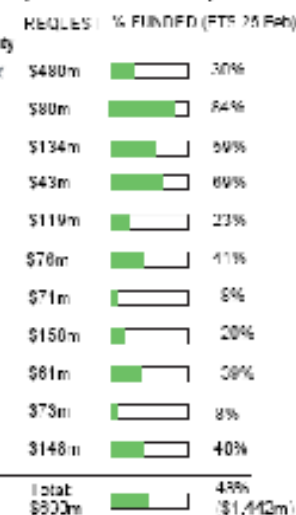
KEY

- Reliable ★★★ Fairly reliable ★★ Not so reliable ★
- Key Concern: DIAS. The higher the rating, the worse the situation.
- Scale/urgency of response required as determined by aid data.
- Indicators for work-out populations (CNP, Crisis Multiplier Rate, GAM, Global Acute Malnutrition).
- Number of people in need of assistance.
- Percentage in need requiring life-saving assistance.
- Expected death toll/malnutrition (proportional to needs).
- Average sectoral coverage (percentage of people in need).
- Quality of response (percentage captured by coverage and outcomes data).
- Mortality/malnutrition in worst affected areas relative to pre-crisis levels.
- Crisis-affected sectors (also part of other sectors).
- Resilience (percentage of people in need).

- BY SECTOR (current # of people in need/covered) as reported by cluster leads at field level



SECTORAL FUNDING (FLASH APPEAL)



NOTES

Large outflow of people from Port-au-Prince to already vulnerable rural areas (more than 587,801 had left as of 15 February according to the Government).

Pledged: \$28m
Appeal issued: 18 Feb 2010
Appeal expires: 31 Dec 2010
CERF contribution: \$35m

Summary

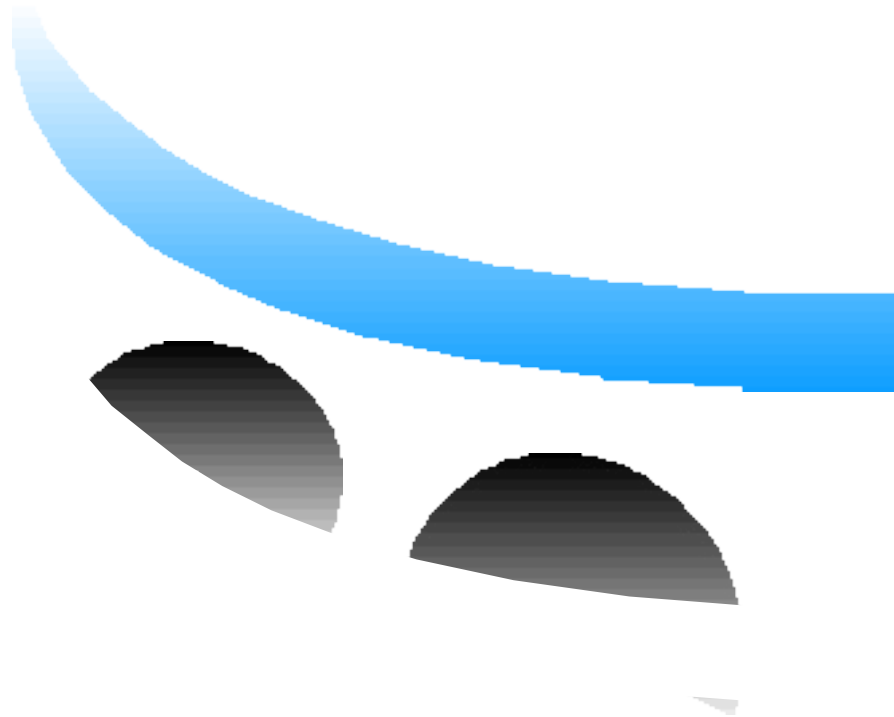
Data quality, provenance, drill -down: **Projection, Annotation**

Analysis / Discovery: **Composition**

Situational awareness, alerts: **Compilation**

AQUEDUCT

Collaborative Projection, Annotation, and Analysis
of Linked Data using a Semantic Wiki



John Callahan, Jeff Stuckman, Marcos Osorno, Bryan Perozzi, Steve Hamer, Chance Pascale

Enterprise Knowledge Systems Group / Applied Information Science Department

The Johns Hopkins University Applied Physics Laboratory

Other AQUEDUCT flavors

Ozone apps

iGoogle Gadgets

Drupal

Elgg

Wordpress

iPhone App?

Drivers

ARC2 (local and remote SPARQL endpoints)

Blackbook 2.8+, 3.x

Hbase

Embedded

Memcached

Driver Capabilities (ala Dataspaces)

Entity Materialization*

SPARQL query (extended)

Scripting

Write-thru triples

Versioning (via named graphs)

Caching

Embedded support (append, override triples)

Access control

Remoting

* required

Future Directions

Recent changes / RSS+Atom / Alerts

More widgets (WiGi)

Smart Templating

Data access

Versioning

Bigdata (“pointers”)

Scripting

Profiling

Algorithms

Platform “flavors”

Search

Introspection (vocabulary/ontology mgmt)

Logging

Workflow

Slidy / HTML5 presentation

Agents

- (1) Agent-Human interaction guides goal-based organization
- (2) Agent maintains convergence on emergent semantics



Aqueduct Configuration

Columns marked with a * must be unique!

Wiki Namespace ID*	Wiki Namespace*	Datastore URI prefix*	Datastore Type	Datastore Name	Datastore Location	Datastore Certificate Path	Certificate Password	Cache Expires (secs)	Title Initial Lowercase	Search for Fragments		
90	Test	uri:citydata:	Test						<input type="checkbox"/>	<input type="checkbox"/>	Modify	Delete
91	Ds1	http://ds1.exan	BB		https://localhost:844	/home/callahan	changeit		<input type="checkbox"/>	<input type="checkbox"/>	Modify	Delete
98	Monterey	https://localhos	BB30	Monterey	https://localhost:844	/home/callahan	changeit		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Modify	Delete
95	EmbedTest	uri:embedded:	Embedded						<input type="checkbox"/>	<input type="checkbox"/>	Modify	Delete
100	City	uri:city:	Memcached						<input type="checkbox"/>	<input type="checkbox"/>	Modify	Delete
102	Log	uri:aqlog:	Arc2	my_endpoint_st					<input type="checkbox"/>	<input type="checkbox"/>	Modify	Delete
104	Personnel	uri:staff:	Embedded						<input type="checkbox"/>	<input type="checkbox"/>	Modify	Delete
106	Site	uri:site:	Arc2						<input type="checkbox"/>	<input type="checkbox"/>	Modify	Delete
112	Note	uri:note	Embedded						<input type="checkbox"/>	<input type="checkbox"/>	Modify	Delete
114	Haiti	uri:ira:	Arc2	my_endpoint_st				30	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Modify	Delete
134	Dbpedia	http://dbpedia.i	Arc2		http://dbpedia.org/sp			30	<input type="checkbox"/>	<input type="checkbox"/>	Modify	Delete
			BB						<input type="checkbox"/>	<input type="checkbox"/>	Add	

New Namespace ID*	Associated Namespace & Query Tag	Query Type	Datastore Name	Algorithm Name	Cache Expires (secs)	Use URI as Query Parameter	Query Text		
121	Monterey Describe	ExecuteAlgorithm	Monterey	SparqlDescribeQuery		<input type="checkbox"/>	DESCRIBE ?u WHERE { ?u <http://blackbook.com/terms#STAT_DELIVERY> "##" . } LIMIT 5	Modify	Delete
130	Site State	ExecuteAlgorithm	my_endpoint_s	SparqlDescribeQuery		<input type="checkbox"/>	DESCRIBE ?u WHERE { ?u <uri:cityschema:State> "##" . }	Modify	Delete
132	Haiti Surveyor	ExecuteAlgorithm	my_endpoint_s	SparqlDescribeQuery		<input type="checkbox"/>	DESCRIBE ?u WHERE { ?u <uri:ira_s0v10:_Surveyor_> ?o filter regex(?o,"^##", "i") . }	Modify	Delete
		ExecuteAlgorithm		LuceneKeyword		<input type="checkbox"/>		Add	

Wiki Namespace ID*	Wiki Namespace*	Datastore URI prefix*	Datastore Type	Datastore Name	Datastore Location	Datastore Certificate Path	Certificate Password	Cache Expires (secs)	Title Initial Lowercase	Search for Fragments		
114	Haiti	uri:ira:	Arc2	my_endpoint_st					<input checked="" type="checkbox"/>	<input type="checkbox"/>	Modify	Delete
134	Dbpedia	http://dbpedia.org	Arc2		http://dbpedia.org/sp			86400	<input type="checkbox"/>	<input type="checkbox"/>	Modify	Delete

New Namespace ID*	Associated Namespace & Query Tag	Query Type	Datastore Name	Algorithm Name	Cache Expires (secs)	Use URI as Query Parameter	Query Text		
132	Haiti Surveyor	ExecuteAlgorithm	my_endpoint_s	SparqlDescribeQuery		<input type="checkbox"/>	<pre> DESCRIBE ?u WHERE { ?u <uri:ira_s0v10:_Surveyor_> ?o filter regex(?o,"^###", "i") .} LIMIT 5 </pre>	Modify	Delete

```

DESCRIBE ?u
WHERE
{ ?u <uri:ira_s0v10:_Surveyor_> ?o
FILTER regex(?o,"^###", "i") .}
LIMIT 5

```



navigation

- [Main Page](#)
- [Community portal](#)
- [Current events](#)
- [Recent changes](#)
- [Random page](#)
- [Help](#)

search

toolbox

- [What links here](#)
- [Related changes](#)
- [Special pages](#)
- [Printable version](#)
- [Permanent link](#)

Haiti Surveyors

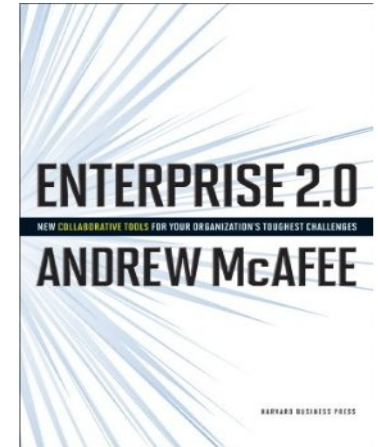
Report	Surveyor
Unknown:\File`\\tmp/Haiti_Surveyors\0 🗑	
Unknown:\File`\\tmp/Haiti_Surveyors\1 🗑	Adéa Ricard 102
Unknown:\File`\\tmp/Haiti_Surveyors\2 🗑	Adéa Ricard 214
Unknown:\File`\\tmp/Haiti_Surveyors\3 🗑	Adéa Ricard 237
Unknown:\File`\\tmp/Haiti_Surveyors\4 🗑	Alexis Joseph
Unknown:\File`\\tmp/Haiti_Surveyors\5 🗑	Alexis Joseph 115
Unknown:\File`\\tmp/Haiti_Surveyors\6 🗑	Alexis Joseph 130
Unknown:\File`\\tmp/Haiti_Surveyors\7 🗑	Alexis Joseph 204
Unknown:\File`\\tmp/Haiti_Surveyors\8 🗑	Alexis Joseph 240
Unknown:\File`\\tmp/Haiti_Surveyors\9 🗑	Alexis Joseph 325
Unknown:\File`\\tmp/Haiti_Surveyors\10 🗑	Alexis Joseph 332
Unknown:\File`\\tmp/Haiti_Surveyors\11 🗑	Alexis Joseph 335
Unknown:\File`\\tmp/Haiti_Surveyors\12 🗑	arelus
Unknown:\File`\\tmp/Haiti_Surveyors\13 🗑	Arelus Dominique Junior 411
Unknown:\File`\\tmp/Haiti_Surveyors\14 🗑	arelus dominiquejunior
Unknown:\File`\\tmp/Haiti_Surveyors\15 🗑	carl-218
Unknown:\File`\\tmp/Haiti_Surveyors\16 🗑	Claude-Bernard
Unknown:\File`\\tmp/Haiti_Surveyors\17 🗑	Claude-Bernard PAULTRE 103
Unknown:\File`\\tmp/Haiti_Surveyors\18 🗑	Claude-Bernard PAULTRE 223

{{ShowSurveyorList}}

```
<aqAddQuery namespace="Haiti" datasource="my_endpoint_store" algorithm="execute">
SELECT DISTINCT ?p ?o
WHERE { ?s ?p ?o FILTER (?p = <uri:ira_s0v10:_Surveyor_>) . }
ORDER BY ?o
</aqAddQuery>
```

Unknown:\File`\\tmp/Haiti_Surveyors\31 🗑	daina jean louis
Unknown:\File`\\tmp/Haiti_Surveyors\32 🗑	Daina Jean Louis 215

A departure...
(Clay Shirky ...)



MIT Sloan
Management Review
Spring 2007 Vol. 47 No. 3

Enterprise 2.0 is the use of **freeform** social software within companies.

'Freeform' in this case means that the software is most or all of the following:

- * Optional
- * Free of up-front workflow
- * Egalitarian, or indifferent to formal organizational identities
- * Accepting of many types of data

BUT GIVE THEM SOME STRUCTURE TO START WITH



Overview

>> RDMS Collect™

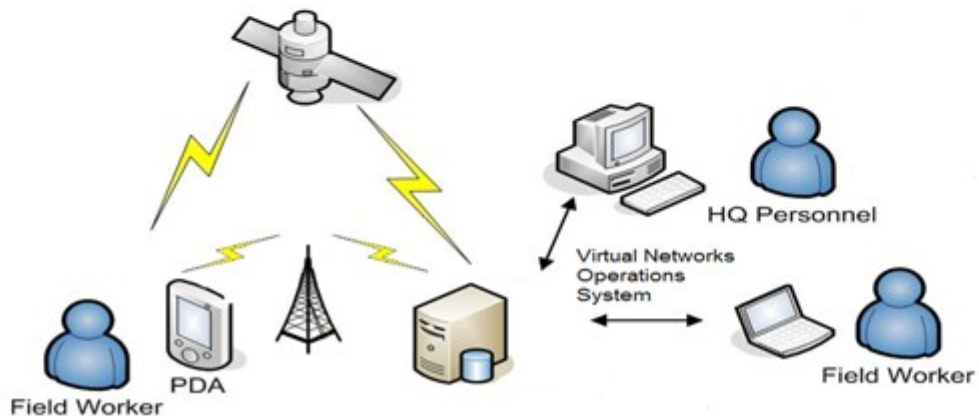
>> RDMS Communicate™

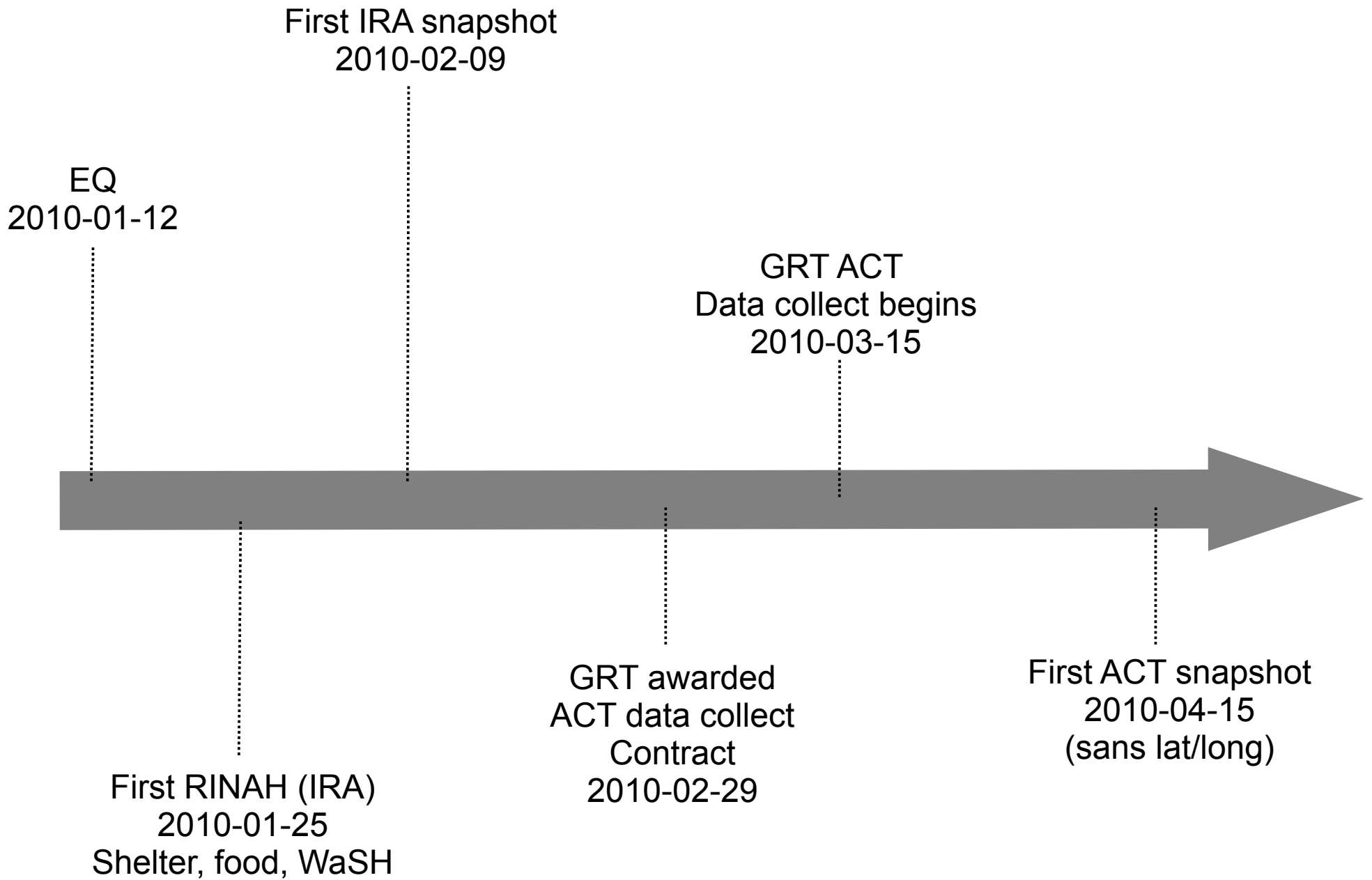
>> RDMS Collaborate™

>> Security

RDMS™ – PIONEERING THE RAPID COLLECTION OF TIME-SENSITIVE DATA FROM THE FIELD

At the heart of Global Relief Technologies' solution is our innovative, patented **Rapid Data Management System™ (RDMS™)**





OVERVIEW OF IDP CONCENTRATIONS IN PORT-AU-PRINCE AND CARREFOUR, HAITI (UPDATE 2)

Operational Analysis with GeoEye-1 Data Acquired 13 January 2010 and QuickBird data acquired 4 March 2008

This map presents an overview of temporary shelter locations of displaced Haitians in Port-au-Prince and Carrefour, as identified in satellite imagery recorded on 13 January 2010. These IDP locations range in size from small clusters of survivors (approx. 20-50) to large concentrations numbering in the thousands. Locations are commonly situated in open areas away from unstable buildings, in parks, sports fields, church compounds and grassy medians of main roads. Four case examples are shown in the imagery. This is a preliminary analysis & has not yet been validated in the field. Please send ground feedback to UNHCR / UNOSAT.

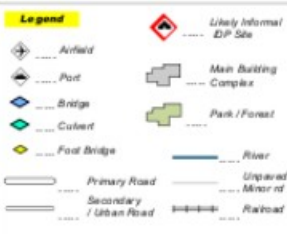
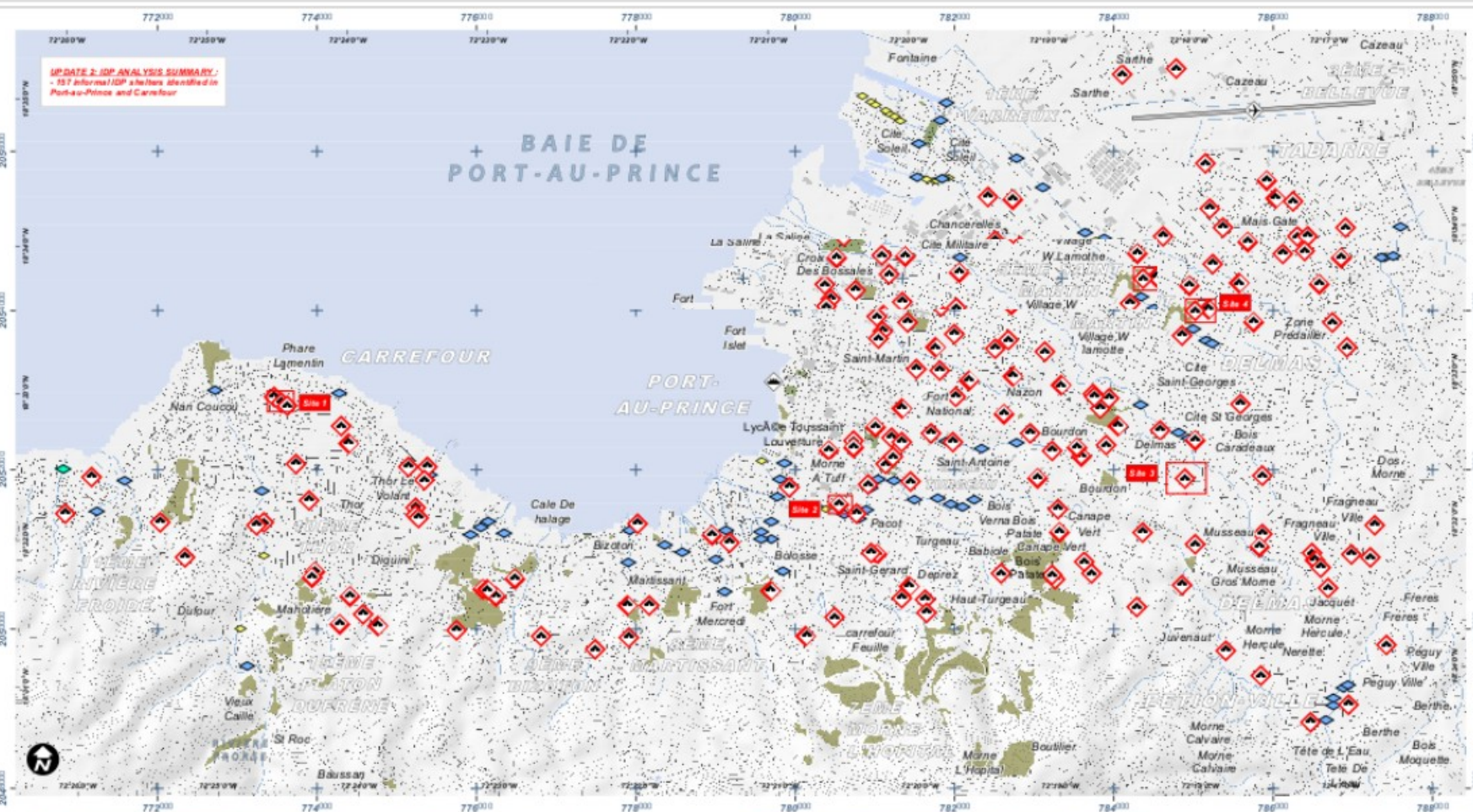
Earthquake
7.0M



17 January 2010
(21:00:00 UTC)

Version 2.0

Slide No:
EQ-2010-00009-HTI



Map Scale for A3: 1:55,000

UTM grid coordinates given in 2km intervals

Elevation contour lines in 20 meter intervals

Background satellite imagery GeoEye-1 13 January 2010

0 250 500 1,000 1,500 2,000 2,500 Meters

Satellite Data (1)	GeoEye-1
Imagery Date	13 January 2010
Resolution	50m
Copyright	GeoEye 2009
Satellite Data (2)	QuickBird-2
Imagery Date	4 March 2008
Copyright	DigitalGlobe
Source	Google Earth
Road & Urban Data	Open Street Map
Place Names	Google Map Maker
Other Data	MINUSTAH, USGS, NOAA
Elevation Data	ASTER GDEM
Source	MEITI & NASA 2009
Analysis	UNHCR / UNOSAT
Map Production	UNHCR / UNOSAT
Projection	UTM Zone 18 North
Datum	WGS-84 (EGM-96)

Map Data © 2009 Google -
Improve with Google Map Maker

The depiction and use of boundaries, geographic names and related data shown here are not warranted to be accurate nor do they imply official endorsement or acceptance by the United Nations. UNOSAT is a program of the United Nations Institute for Training and Research (UNITAR), providing satellite imagery and related geographic information, research and analysis to UN humanitarian & development agencies & their implementing partners.

unitar
United Nations Institute for Training and Research
UNOSAT
Contact Information: unosat@unitar.org
24/7 Hotline: +41 76 487 4998
www.unosat.org





Lise training an IRA team



Kim training an IRA team



An IRA Team



IRA PDAs



Stacks of completed IRA forms



IRA Sampling



Haiti Assessment

This Site

[Haiti Assessment Home](#) [How To Use This Site](#) [Team Blog](#) [Shared Documents](#) [Task Tracker](#)[View All Site Content](#)

Sites

Pictures

- Haiti Picture Library

Documents

- Shared Documents
- Enduring Issue Wiki's

Lists

- Calendar
- Tasks
- Team Contact List

Discussions

- Team Discussion

People and Groups

- [Recycle Bin](#)

Announcements

Help Desk

2/12/2010 10:14 AM

by Jeff Blank

If you have any trouble with the site, please feel free to contact me.

Weekends/Evenings

402-709-7220 or jeff.blank@dac.us

Weekday Business Hours

402-294-6648 or jblank@ll.mit.edu

- Add new announcement

Team Discussion

Subject

Data Collection - Data Modeling and Representation ("formats")

Data Collection - Content

IRA Summary and Status comments

Our Assessment plan

- Add new discussion

Tasks

New	Actions	1 - 6				
Title	Next Steps	Assigned To	Status	Due Date	% Complete	
Priority : (1) High (3)						
Status : In Progress (3)						
Survey Rollout and Data Collection	View Entries...	Marc Zissman	In Progress		75%	
Identify Funding Sources	View Entries...	Marc Zissman	In Progress		25%	
Survey Data Analysis	View Entries...	Anjali Sastry	In Progress		60%	
Priority : (2) Normal (5)						
Status : Not Started (4)						
Moving Haiti to a Self Sustaining Economy Paper	View Entries...		Not Started		0%	
Software for Data Analysis and RT Tipping to MCOs	View Entries...	Jeremy Minewasser	Not Started		0%	



Links

- JTF-Haiti on Facebook
- CNN
- USAID
- UN Haiti News
- US Southern Command
- OneResponse Haiti
- WashingtonPost: Teams Poll Haitians To Learn What They Need
- DFID (UK)
- WHO Public Health Risk Assessment
- Haiti Disaster Response Maps (Google)
- DoD Dictionary of Military Terms
- Charities Responding to the Earthquake
- EMMUS IV Demographic and Health Statistics (2006)
- HealthMap Haiti site
- USHAHIDI's Crisis Map of Haiti
- CIA World Factbook - Haiti
- All Partners Access Network (APAN)
- Army Geospatial Center - Haiti

- Add new link

Team Contact List

Haiti

The 2010 Earthquake in Haiti

Ushahidi-Haiti @ **Tufts**
UNIVERSITY

Search Reports Here:



[DOWNLOAD REPORTS \(3531\)](#)



[REPORTS RSS](#)



Haitian Diaspora Community:

We need your help! [Help Us Help Haiti](#) »



Announcement

Peace Dividend Marketplace can link you with goods and services in PAP: call 29 41 10 01



SUBMIT INCIDENT

[HOME](#)

[REPORTS](#)

[SUBMIT INCIDENT](#)

[GET ALERTS](#)

[CONTACT US](#)

[HOW TO HELP](#)

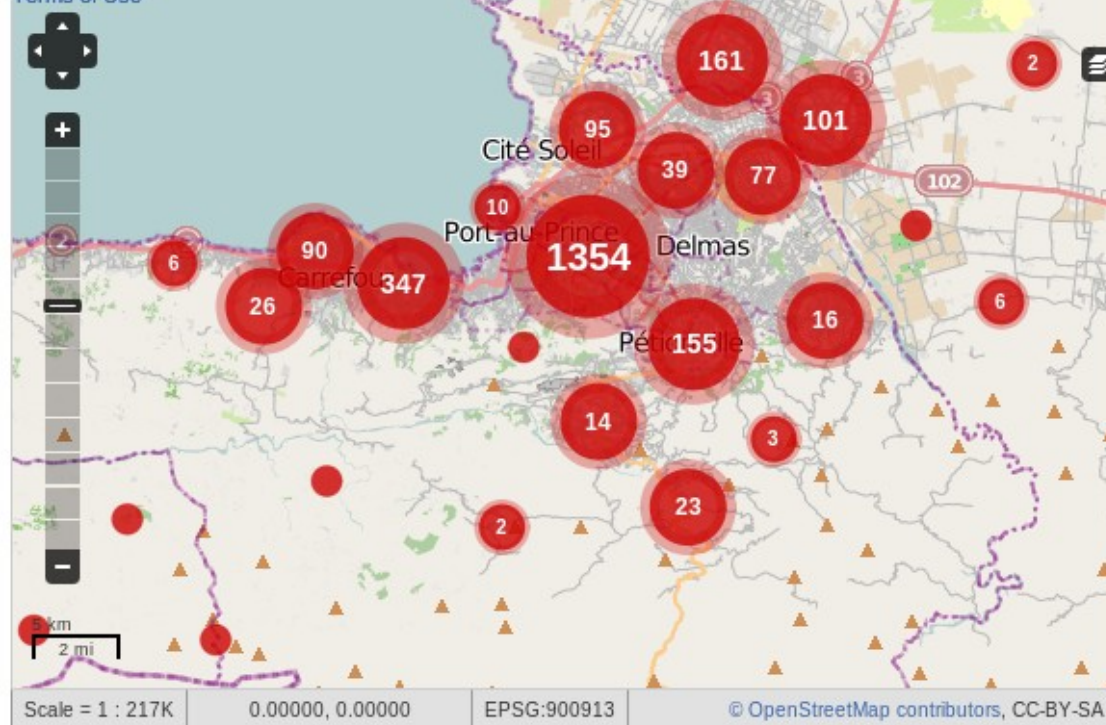
[ABOUT](#)

FILTERS → [REPORTS](#) [NEWS](#) [PICTURES](#) [VIDEO](#) [TODO](#)

VIEWS → [CLUSTERS](#)

↓ CATEGORY FILTER

Terms of Use



↓ TIMELINE OF EVENTS

From: To:

[PLAY](#)

Jan 12 2010 Feb 5 2010 Mar 10 2010 Mar 25 2010 Apr 18 2010

ALL CATEGORIES



1. URGENCES | EMERGENCY



2. URGENCES LOGISTIQUES | VITAL LINES



3. PUBLIC HEALTH



4. MENACES | SECURITY THREATS



5. INFRASTRUCTURE DAMAGE



6. NATURAL HAZARDS



7. SECOURS | SERVICES AVAILABLE



8. AUTRE | OTHER

How to Report

Widgets / Gadgets / Apps in Collaborative Environments

The image displays three overlapping browser windows illustrating collaborative environments and widgets.

iGoogle

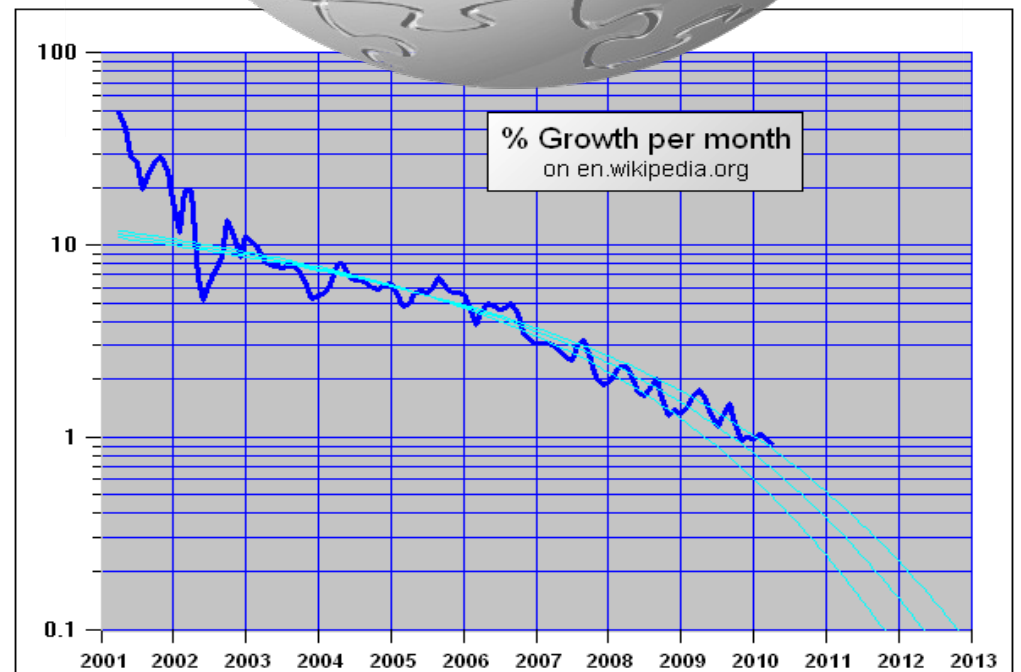
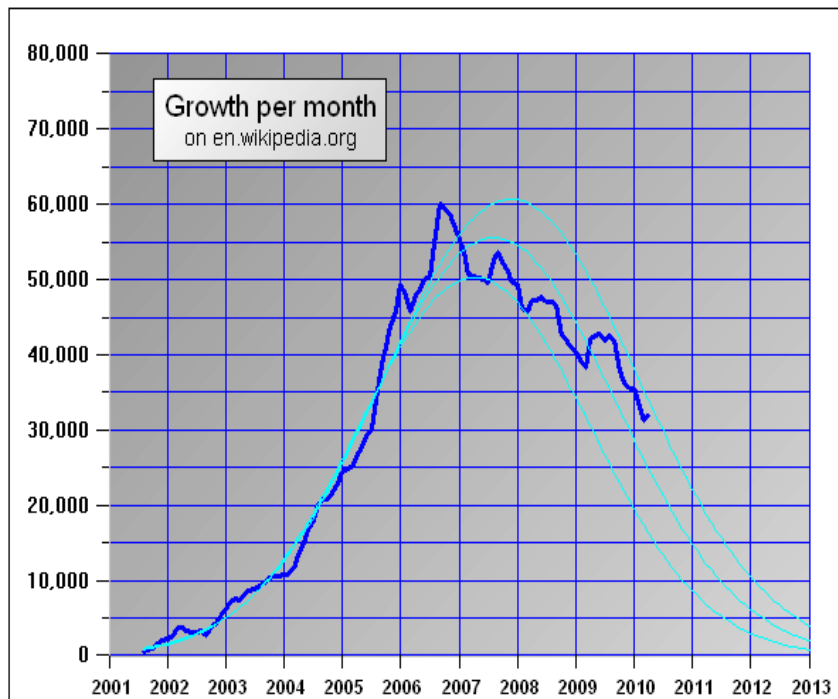
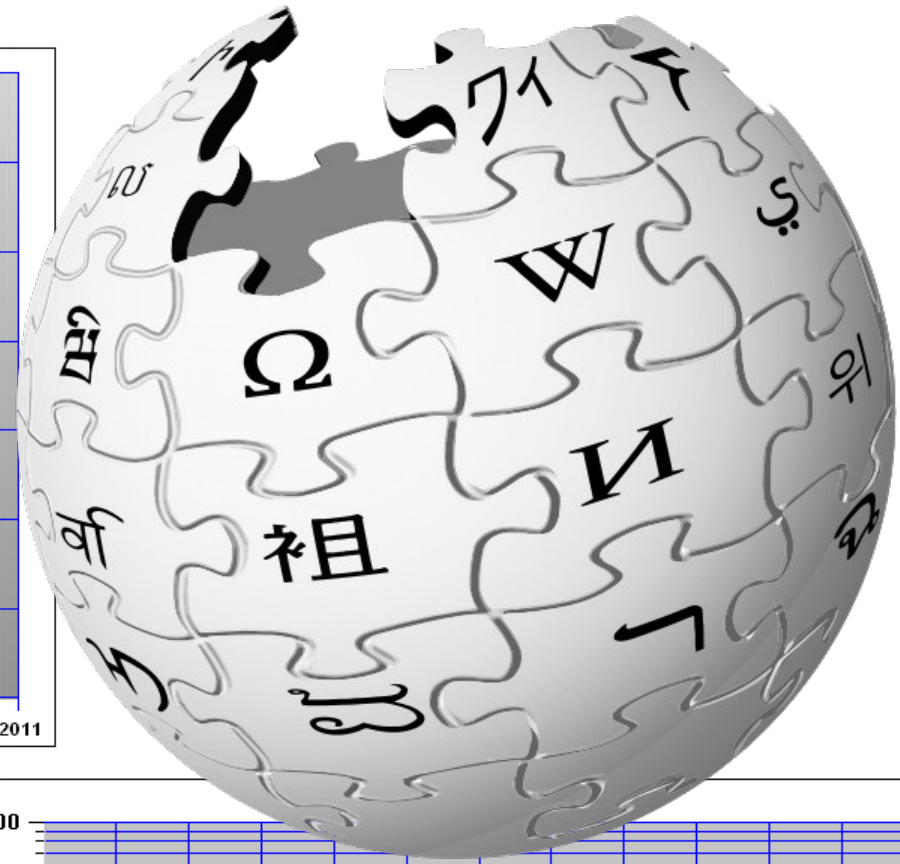
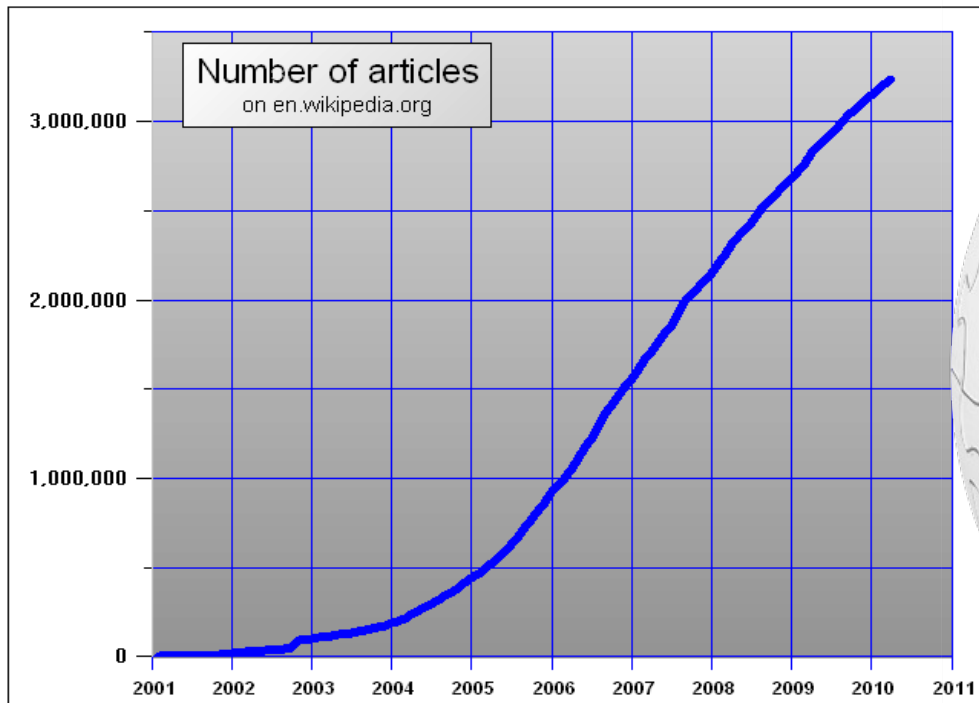
The top window shows the iGoogle homepage. It features a search bar at the top with the iGoogle logo. Below the search bar, there are several widgets: a Weather widget for New York, NY, showing a 64°F forecast; a Google Map Search widget; a YouTube widget; a Gmail widget; and a Date & Time widget. The left sidebar contains links to Home, YouTube, Date & Time, Gmail, CNN.com, Wash Post Metro, Google Calendar, Google Map Search, and Weather. The bottom-left corner of the iGoogle window shows a "Sign in or Create an account" button.

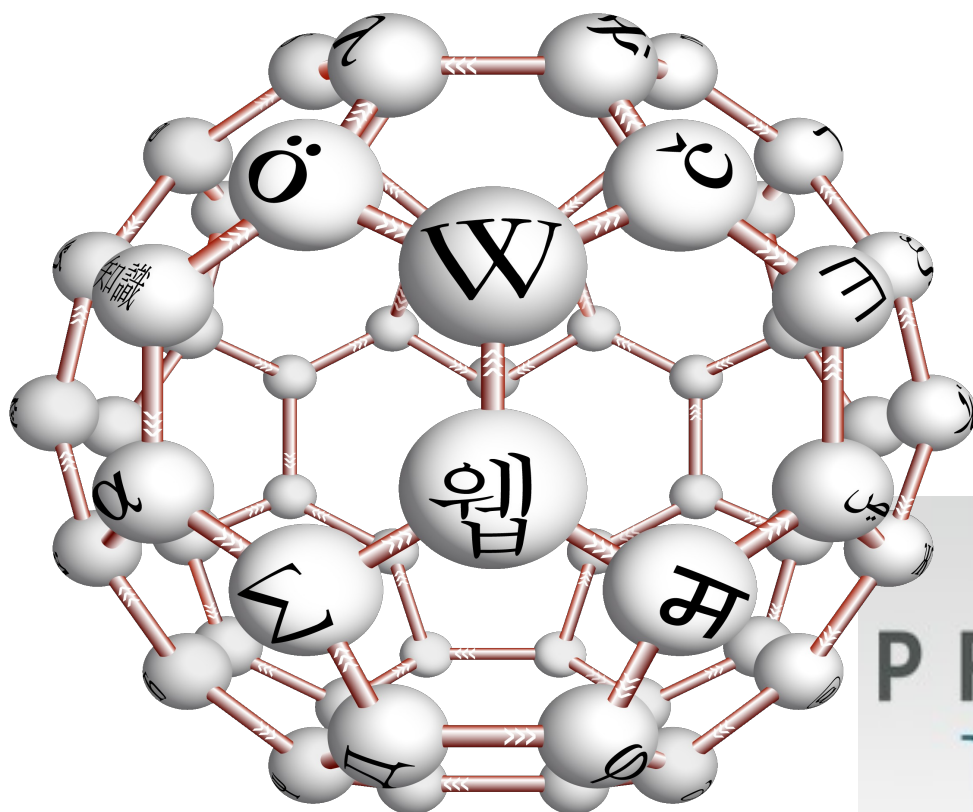
Paggr

The bottom-left window shows the Paggr Semantic Web Dog interface. It features a search bar at the top with the text "Search...". Below the search bar, there are several results, including "Ranking Approximate Semantic Web Queries", "Querying Trust in RDF", "RadSem: Semantic Analysis and Retrieval for Media", "Tempus Fugit - Towards Ontology Update Language", and "Semanta - Email Made Easy".

Wikipedia

The bottom-right window shows the Wikipedia Portal: Current events page. It features a search bar at the top with the text "Search". Below the search bar, there are several sections: "Topics in the news" with a list of current events; "15 April 2010 (Thursday)" with a list of events; "April 15, 2010 Wikinews articles" with a list of articles; and a "Calendar" section showing the date "Thu APR 15".





Structure: The next step?



- Title
- Abstract
- Infoboxes
- Geo-coordinates
- Categories
- Images
- Links
 - Other languages
 - Other wiki pages
 - To the web
 - Redirects
 - Disambiguates

http://en.wikipedia.org/wiki/Busan

Search DBpedia.org - Explore Linked ... Busan - Wikipedia, the free ency... DBpedia - Querying Wikipedia like a D...

Log in / create account

article discussion edit this page history

Busan

From Wikipedia, the free encyclopedia

"Pusan" redirects here. For the Vedic Hindu god, see Pushan.

Busan Metropolitan City, also known as Pusan^[a] is the largest port city in the Republic of Korea. With a population of about 3.65 million, Busan is South Korea's second largest metropolis, after Seoul. The most densely built up areas of the city are situated in a number of narrow valleys between the Nakdong River and Suigyeong River, with mountains separating some of the various districts.

Busan was the host city of the 2002 Asian Games and APEC 2000 Korea. It was also one of the host cities for the 2002 FIFA World Cup, and is the center for international conventions in Korea. Administratively, it is designated as a Metropolitan City. On November 14, 2006, the city officially announced its bid to host the 2020 Summer Olympics Games.^[a]

Coordinates: 35°06′N, 129°02′E

Navigation

View Page

- Contents
- Featured content
- Current events
- Random article

Interaction

- About Wikipedia
- Community portal
- Recent changes
- Contact Wikipedia
- Donate to Wikipedia
- Help

Search

Go Search

Tools

What links here

- Related changes
- Load file
- Special pages
- Printable version
- Permanent link
- Cite this page

languages

- English
- Dansk
- Deutsch
- Eesti
- Español
- Esperanto
- Euskara

Contents [hide]

- History
- Administrative divisions
- Economy
 - Shopping and commerce
- Education
 - Universities with graduate schools
 - Other institutes of higher education
- Culture
 - Parks, Beaches, and Resorts
 - Temples, Shrines and other Historical sites
 - Professional sports
 - Arts
 - Museums
- Transportation
 - Bus
 - Sea
 - Railway
 - Subway
 - Air
- UN Memorial Cemetery
- Sister cities
- See also
- Notes and references
- External links

History

It has been suggested that Dongrae be merged into this article or section. (Discuss)

Geochilsan-guk existed in the second and third centuries as a chiefdom of Jinhan. It was absorbed by Silla and renamed Geochilsan-gun. The word Geochilsan means rough mountain, probably referring to Hwangnyeongsan, located at the center of the city.

The grave goods excavated from mounded burials at Bokcheon-dong indicate that a complex chiefdom ruled by powerful individuals was present in the Busan area just as the Three Kingdoms of Korea were forming, c. A.D. 300-400. The mounded burials of Bokcheon-dong were built along the top of a ridge that overlooks a wide area that makes up parts of modern-day Dongnae-gu and Yeonje-gu. Archaeologists excavated more than 250 iron weapons and ingots from Burial No. 38, a wooden chamber tomb at Bokcheon-dong.

In 757, Geochilsan-gun was again renamed Dongnae, which it is still called.

From the beginning of the fifteenth century, the Korean government designated Busan as a trading port with the Japanese and allowed their settlement. Other Japanese settlements in Ulsan and Jinhae

Busan Metropolitan City

Haeundae

Korean name	Hangul 부산광역시
Hangja 釜山廣域市	
Revised Romanization	Busan Gwangyeoksi
McCune-Reischauer	Pusan Kwangyŏkshi
Short name	Hangul 부산
Hangja 釜山	
Revised Romanization	Busan
McCune-Reischauer	Pusan
Statistics	
Area	763.46 km ² (294.77 sq mi)
Population (2006)	3,635,389 ^[1]
Population density	4,762 /km ² (12,330 /sq mi)
Government	Metropolitan City
Mayor	Hur Nam-sik
Administrative divisions	15 wards (Gu), 1 county (Gun)
Region	Yeongnam
Dialect	Gyeongsang
Location map	